

MONTHLY WEATHER REVIEW.

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CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 1, NORTH ATLANTIC STATES.

Prof. WILFORD M. WILSON, District Editor.

GENERAL SUMMARY.

The weather conditions for the month of May, 1913, conformed very closely to the normal in the North Atlantic States. About the only feature worthy of note was the rather marked warm period covering the 2d to the 5th or 6th, which was followed by a reversion to much cooler with damaging frosts in many parts of the district from the 8th to the 12th. Fruit trees were in full bloom in the southern and central parts of the district at this time and the injury was serious in many localities. The first half of the month was extremely dry, but the soil was well stored with moisture from previous rains, and the period of dry weather was utilized to advance spring work. The following table exhibits the leading features of meteorological interest for the various sections of the district:

| States or parts of States within district No. 1. | Temperature. | | | | Precipitation. | | | | Average number of— | |
|------------------------------------------------------|--------------|------------|----------|---------|----------------|------------|--------------------|--------------|--------------------------|-------------|
| | Average. | Departure. | Highest. | Lowest. | Average. | Departure. | Greatest total. | Least total. | Rainy days. | Clear days. |
| New England..... | 53.2 | -1.9 | 92 | 18 | 3.32 | -0.27 | 4.94 | 1.65 | 9 | 13 |
| New York..... | 55.3 | -1.4 | 93 | 17 | 3.33 | -0.47 | 5.36 | 1.87 | 9 | 15 |
| Pennsylvania..... | 58.5 | -1.3 | 93 | 23 | 3.74 | -0.31 | 6.45 | 0.48 | 9 | 14 |
| New Jersey..... | 60.3 | 0.0 | 94 | 25 | 3.45 | -0.46 | 4.86 | 2.53 | 9 | 15 |
| Maryland, Delaware, and District of Columbia..... | 63.3 | +0.1 | 94 | 26 | 4.13 | +0.57 | 7.94 | 2.18 | 9 | 16 |
| West Virginia..... | 59.8 | -1.0 | 95 | 19 | 5.99 | +2.18 | 7.90 | 3.98 | 11 | 12 |
| Virginia..... | 63.6 | -0.1 | 92 | 27 | 5.00 | +1.05 | 8.45 | 3.58 | 10 | 7 |

TEMPERATURE.

The average temperature for the district was 59.1°, which is about 0.8° below the May normal, and ranged from 53.2° in New England to 63.3° in Maryland and Delaware. The northern half of the district was slightly cooler than usual, while the temperature for the southern part was very near the normal. The highest average temperature for individual stations, 66.0°, occurred at Annapolis, Md., and the lowest, 45.8°, at Eastport, Me. The month opened moderately warm for the season but with rapidly rising temperature, which culminated in the only marked warm period of the month from the 2d to the 6th. In New England and New York maximum temperatures of 80° to 85° were general, and at a few places day temperatures of 90° or higher were recorded during this period. In the central and southern parts of the district maximum temperatures of 90° and above were of common occurrence. The highest temperature for the district, 95°, was recorded at Martinsburg, W. Va., on the 3d. The temperature began to fall rapidly during the night of the 7th, and on the morning of the 8th freezing weather was reported at stations in the interior of New England and New York. The cold weather spread gradually southward, freezing temperatures being reported in New Jersey, Maryland, Delaware, and Virginia on the 10th and 12th. The few days of warm weather that preceded this cold period forced fruit into full bloom, particularly in the central and southern parts of the district, so that

the injury from the frosts that occurred was serious in many places. The lowest temperature for the district, 17°, was recorded at Indian Lake and Morehouseville, N. Y., on the 15th and 12th, respectively. These stations are located in the Adirondack Mountains. The weather continued rather cool for the remainder of the month without unusual fluctuations.

PRECIPITATION.

The average precipitation for the district was 4.14 inches, which is about 0.33 inch above the May normal. The number of stations reporting precipitation in excess of the normal was 96, while those reporting a deficiency was 129. Only 1 station reported a monthly total of less than 1 inch, while at 12 stations the rainfall for the month amounted to 6 inches or more. There was a slight deficiency in New England, New York, New Jersey, and Pennsylvania and an excess for the remainder of the district, the greatest being 2.18 inches in West Virginia. Practically all the rainfall for the month occurred during the last two weeks. Previous to the 15th the weather was remarkably fair and pleasant, with only light local showers at widely scattered stations. From the 15th to the 19th general though not excessive rains occurred in all parts of the district except the northern part of New England. Only a few stations reported rain on the 20th, but on the 21st rain began in the southern part of the district, spreading north to New England by the 22d. For the remainder of the month rains occurred at short intervals in all parts of the district. Excessive precipitation (2.50 inches or more in 24 hours) occurred as follows: Culpeper, Va., 4.00 inches, 22d-23d; Quantico, Va., 4.97, 23d-24th; Milford, Del., 3.04, 24th; Hyndman, Pa., 2.95, 27th.

RIVER CONDITIONS.

There were no unusual facts connected with the stream flow during the month. In the navigable rivers good boating stages prevailed at all times, notwithstanding the long period of nearly rainless weather that marked the first half of the month. The rivers were highest either about the first of the month, owing to the heavy rains that occurred during the last decade of April, or near the end of the month, as a result of the general rains that came the last of May.

SUNSHINE.

Sunshine records from 14 representative stations gave an average of 253 hours for the month, which is 57 per cent of the possible, about the same as in May last year. The distribution of clear weather over the district showed considerable variation. The extremes in the percentage of possible sunshine recorded were 69, at Atlantic City, N. J., and 45 at Binghamton, N. Y. At the latter place there were but 4 clear days, while at other stations in the same State the records gave 15 clear days. For the entire district the number of days with 0.01 inch or more of precipitation averaged 9; the clear days, 13; the partly cloudy days, 9; and the cloudy days, 9.

TABLE 1.—Climatological data for May, 1913. District No. 1, North Atlantic States.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Observers. | |
|-------------------|--------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------|---------------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | Number of overcast cloudy days. | Prevailing wind direction. |
| Maine. | | | | | | | | | | | | | | | | | | | |
| Bar Harbor | Hancock | 20 | 27 | 47.6 | - 4.4 | 73 | 3 | 26 | 15† | 36 | 3.56 | + 0.06 | 1.25 | T. | 10 | 12 | 6 | 13 | William Miller. |
| Cornish | York | 778 | 58 | 53.0 | - 1.6† | 87 | 3† | 26 | 15 | 46 | 4.21 | + 0.75 | 1.02 | | 11 | 11 | 10 | 10 | T. H. West. |
| Eastport | Washington | 53 | 41 | 45.8 | - 1.1 | 70 | 3 | 30 | 15 | 28 | 4.02 | + 0.22 | 1.92 | 0.1 | 13 | 8 | 12 | 11 | U. S. Weather Bureau. |
| Fairfield | Somerset | 90 | 28 | 51.9 | - 2.2 | 82 | 3 | 25 | 16 | 40 | 2.53 | - 0.41 | 1.04 | | 8 | 15 | 0 | 16 | E. F. Parker. |
| Farmington | Franklin | 450 | 16 | | | | | | | | | | | | | | | | State Normal School. |
| Gardiner | Kennebec | 163 | 21 | 50.8 | - 4.5 | 85 | 3 | 27 | 15 | 45 | 3.51 | - 0.12 | 1.03 | | 13 | 15 | 3 | 13 | Samuel D. Soule. |
| Greenville | Piscataquis | 1,140 | 9 | 47.6 | | 83 | 6 | 28 | 10 | 43 | 3.01 | - 0.41 | 0.89 | T. | 12 | | | | U. S. Weather Bureau. |
| Houlton | Aroostook | 362 | 11 | 49.8 | | 85 | 6 | 26 | 10 | 45 | 1.83 | - 0.37 | 0.52 | | 5 | 9 | 18 | 4 | Bangor & Aroostook R. R. |
| Lewiston | Androscoggin | 185 | 39 | 51.0 | - 3.6 | 82 | 3 | 34 | 1† | 39 | 4.22 | + 0.76 | 1.35 | | 10 | 10 | 12 | 9 | Union Water Power Co. |
| Madison | Somerset | 257 | 10 | 49.7 | | 83 | 4 | 26 | 15 | 43 | 4.29 | + 0.21 | 1.56 | | 9 | 17 | 3 | 11 | William Jardine. |
| Millinocket | Penobscot | 386 | 10 | 50.8 | | 86 | 6 | 21 | 2 | 53 | 2.87 | - 0.29 | 0.89 | T. | 12 | 14 | 3 | 14 | F. C. Bowler. |
| North Bridgton | Cumberland | 450 | 20 | 52.6 | - 2.3 | 90 | 3 | 32 | 13 | 48 | 4.71 | + 1.10 | 1.13 | | 10 | 7 | 15 | 9 | G. E. Chadbourne. |
| Orono | Penobscot | 129 | 44 | 50.8 | - 1.9 | 79 | 7 | 26 | 16 | 39 | 3.15 | - 0.23 | 0.95 | T. | 8 | 8 | 10 | 13 | Department of Physics. |
| Patten | do | 550 | 11 | 49.2† | | 85† | 6 | 18† | 15 | 48† | 3.64 | | 1.00 | | 4 | 12† | 5† | 10† | Bangor & Aroostook R. R. |
| Portland | Cumberland | 99 | 42 | 50.0 | - 3.5 | 72 | 3† | 37 | 17 | 23 | 2.92 | - 0.75 | 0.78 | | 10 | 11 | 7 | 13 | U. S. Weather Bureau. |
| Presque Isle | Aroostook | | 4 | 48.6† | | 87† | 6† | 22† | 16 | 41† | 3.53 | | 1.02 | T. | 8 | 15 | 5 | 11 | W. T. Faulkner. |
| Rumford Falls | Oxford | 505 | 20 | 51.6 | - 2.1 | 86 | 3 | 31 | 15 | 48 | 3.68 | + 0.19 | 1.14 | 0.5 | 9 | 19 | 5 | 7 | Charles A. Mixer. |
| Van Buren | Aroostook | 510 | 8 | 47.3 | | 82 | 6 | 25 | 13† | 43 | 3.86 | | 0.94 | T. | 10 | 14 | 6 | 11 | J. M. Thomas. |
| Winslow | Kennebec | 90 | 18 | 52.6 | - 1.0 | 82 | 6 | 27 | 15 | 41 | 3.45 | - 0.20 | 1.87 | | 9 | 18 | 3 | 10 | Hollingsworth & Whitney Co. |
| New Hampshire. | | | | | | | | | | | | | | | | | | | |
| Alstead Center | Cheshire | 1,120 | 9 | 52.3 | | 82 | 2† | 28 | 11 | 47 | 3.76 | | 0.75 | T. | 13 | 12 | 9 | 10 | Frank Dewing. |
| Benton | Grafton | | 4 | 49.4 | | 83 | 5† | 27 | 11 | 54 | 3.73 | | 0.95 | | 12 | 13 | 7 | 11 | State Sanatorium. |
| Bethlehem | do | 1,470 | 21 | 49.9 | - 4.1 | 83 | 6 | 24 | 15 | 38 | 4.13 | + 1.07 | 1.05 | T. | 11 | 10 | 10 | 11 | Benjamin Tucker. |
| Concord | Merrimack | 350 | 53 | 53.2 | - 2.5 | 88 | 3 | 29 | 12 | 49 | 3.17 | - 0.07 | 1.46 | T. | 11 | 11 | 10 | 10 | U. S. Weather Bureau. |
| Durham | Stafford | 88 | 18 | 51.2 | - 3.6 | 78 | 3† | 30 | 15 | 39 | 4.17 | + 1.50 | 1.11 | | 8 | 16 | 3 | 12 | Agricultural Exp. Station. |
| Franklin | Merrimack | 440 | 14 | 53.6 | - 2.7 | 89 | 3 | 27 | 12 | 51 | 4.28 | + 1.42 | 1.15 | | 10 | 14 | 9 | 8 | Dr. C. P. Webster. |
| Grafton | Grafton | 863 | 27 | 50.6 | - 2.7 | 87 | 6 | 20 | 12 | 50 | 3.52 | - 0.08 | 0.98 | 0 | 10 | 15 | 6 | 10 | P. R. Kimball. |
| Hanover | do | 603 | 79 | 53.0 | - 2.4 | 88 | 3 | 26 | 15 | 49 | 4.54 | + 1.81 | 1.44 | T. | 13 | 7 | 12 | 12 | Dartmouth College. |
| Keene | Cheshire | 506 | 28 | 53.8 | - 2.5 | 90 | 3 | 23 | 12 | 50 | 4.10 | + 0.72 | 1.31 | | 11 | 14 | 7 | 10 | Samuel Wadsworth. |
| Nashua | Hillsboro | 125 | 28 | 55.0 | - 2.2 | 88 | 6 | 31 | 12 | 43 | 3.69 | + 0.28 | 1.44 | 0 | 7 | | | | Jackson Co. |
| Newton | Rockingham | | 25 | 50.6 | - 4.6 | 78 | 6 | 26 | 15 | 39 | 3.27 | - 0.36 | 1.13 | | 7 | 11 | 14 | 6 | W. C. Gale. |
| Plymouth | Grafton | 500 | 25 | 52.4 | - 1.2 | 87 | 6 | 25 | 12 | 49 | 3.73 | + 0.37 | 1.00 | T. | 10 | 17 | 2 | 12 | Hattie G. Trow. |
| Vermont. | | | | | | | | | | | | | | | | | | | |
| Bloomfield | Essex | | 6 | 49.9 | | 88 | 6 | 19 | 15 | 54 | 3.13 | | 1.00 | | 15 | 11 | 8 | 12 | Lyman Falls Power Co. |
| Cavendish | Windsor | 910 | 10 | 52.6† | | 91† | 3 | 25† | 15 | 48 | 4.03 | | 0.90 | | 11 | 15† | 5† | 11† | E. D. Kingsbury. |
| Chelsea | Orange | 840 | 18 | 50.0 | - 2.6 | 85 | 3† | 21 | 12† | 48 | 2.81 | + 0.17 | 0.67 | | 10 | 12 | 6 | 13 | W. F. Dewey. |
| Manchester | Bennington | 980 | 14 | 53.3 | | 84 | 3 | 30 | 12 | 38 | 3.15 | | 0.73 | T. | 7 | 12 | 10 | 9 | N. M. Canfield. |
| Somerset | Windham | 2,096 | 1 | 49.4 | | 85 | 3† | 20 | 12 | 48 | 4.83 | | 0.98 | T. | 14 | 10 | 4 | 17 | J. Albert Holmes. |
| St. Johnsbury | Caledonia | 711 | 20 | 52.5 | - 2.6 | 88 | 6 | 22 | 15 | 48 | 3.36 | + 0.62 | 0.94 | | 10 | 9 | 10 | 12 | Fairbanks Museum. |
| Woodstock | Windsor | 700 | 21 | 52.8 | - 2.1 | 85 | 3† | 27 | 15 | 44 | 4.30 | + 1.09 | 1.58 | 0 | 6 | 11 | 7 | 13 | John S. Eaton. |
| Massachusetts. | | | | | | | | | | | | | | | | | | | |
| Amherst | Hampshire | 222 | 24 | 55.4 | - 1.6 | 89 | 3 | 30 | 11 | 44 | 4.94 | + 1.11 | 1.45 | 0 | 13 | 11 | 9 | 11 | Agricultural Exp. Station. |
| Blue Hill | Norfolk | 640 | 29 | 53.0 | - 2.5 | 80 | 3 | 31 | 11 | 34 | 2.85 | - 0.92 | 0.84 | 0 | 10 | 10 | 7 | 14 | Blue Hill Observatory. |
| Boston | Suffolk | 124 | 43 | 55.2 | - 1.4 | 78 | 5 | 37 | 11 | 30 | 3.22 | - 0.29 | 1.32 | 0 | 8 | 10 | 12 | 9 | U. S. Weather Bureau. |
| Chestnut Hill | do | 124 | 33 | 55.7 | - 2.2 | 83 | 6 | 36 | 11 | 38 | 3.46 | - 0.10 | 1.27 | 0 | 9 | 25 | 0 | 6 | Metropolitan Water Board. |
| Clinton | Worcester | 370 | 17 | 55.0 | | 86 | 6 | 34 | 10† | 36 | 4.00 | | 2.10 | 0 | 9 | 21 | 1 | 9 | Do. |
| Concord | Middlesex | 139 | 23 | 53.5 | | 85 | 6 | 31 | 15 | 39 | 3.87 | | 1.89 | 0 | 8 | 6 | 12 | 13 | Fred A. Tower. |
| Fall River | Bristol | 200 | 47 | 55.1 | - 1.7 | 83 | 3 | 33 | 11 | 33 | 2.01 | - 2.22 | 0.69 | 0 | 8 | 6 | 20 | 5 | C. V. S. Remington. |
| Fitchburg | Worcester | 550 | 30 | 55.3 | - 2.0 | 89 | 3 | 31 | 15 | 41 | 3.28 | - 0.18 | 1.12 | 0 | 7 | 14 | 5 | 12 | Dr. A. P. Mason. |
| Framingham | Middlesex | 160 | 33 | 56.5 | - 1.6 | 84 | 3† | 35 | 11 | 39 | 3.79 | + 0.40 | | 0 | 7 | | | | Metropolitan Water Board. |
| Hyannis ** | Barnstable | 31 | 22 | 52.9 | - 3.9 | 73 | 30† | 35 | 11 | 23 | 2.12 | - 1.50 | 1.15 | 0 | 7 | 21 | 5 | 5 | C. F. Sleeper. |
| Lawrence | Essex | 51 | 29 | 54.4 | - 3.7 | 85 | 6 | 35 | 11 | 36 | 4.21 | + 0.50 | 1.14 | 0 | 7 | 10 | 14 | 7 | Essex Co. |
| Lowell | Middlesex | 100 | 28 | 56.4 | - 1.1 | 84 | 3 | 36 | 11† | 40 | 3.49 | - 0.21 | 1.16 | 0 | 9 | | | | Props. Locks & Canals. |
| Middleboro | Plymouth | 53 | 27 | 53.4 | - 1.9 | 82 | 3 | 31 | 11† | 41 | 1.68 | - 2.32 | 0.68 | 0 | 9 | 6 | 13 | 12 | A. R. Gurney. |
| Nantucket | Nantucket | | 27 | 52.8 | - 0.2 | 74 | 31 | 29 | 11 | 24 | 1.71 | - 0.96 | 0.87 | 0 | 7 | 11 | 11 | 9 | U. S. Weather Bureau. |
| New Bedford | Bristol | 88 | 101 | 54.7 | | 76 | 3 | 33 | 11 | 27 | 1.62 | | 0.80 | 0 | 7 | 19 | 1 | 11 | City Engineer. |
| Norfolk | Norfolk | 244 | 10 | 54.4 | | 83 | 3 | 28 | 11† | 39 | 2.76 | | 1.26 | 0 | 5 | 10 | 3 | 18 | Ruby H. Martyn. |
| Plymouth | Plymouth | | 28 | 51.6 | | 74 | 7 | 32 | 11 | 27 | 2.37 | | | 0 | 8 | 15 | 6 | 10 | Laura B. Knapp. |
| Provincetown | Barnstable | 40 | 26 | 52.5 | - 1.8 | 73 | 31 | 37 | 11 | 23 | 2.06 | - 1.24 | 0.66 | 0 | 9 | 20 | 0 | 11 | Gideon Bowley. |
| Rockport | Essex | 25 | 11 | 50.5 | | 67 | 7† | 38 | 11 | 20 | 2.98 | | 1.18 | 0 | 7 | 12 | 8 | 11 | C. F. P. Bearse. |
| Rutland | Worcester | 1,160 | 11 | 52.9 | | 87 | 4 | 29 | 11 | 42 | 3.93 | | 1.41 | 0 | 10 | 14 | 11 | 6 | State Sanatorium. |
| Turners Falls | Franklin | 200 | 22 | 55.8 | - 1.8 | 87 | 2† | 33 | 11† | 40 | 3.77 | + 0.91 | 1.43 | 0 | 7 | 12 | 6 | 13 | Turners Falls Co. |
| Westboro | Worcester | 298 | 39 | 58.6 | 0 | 88 | 3† | 32 | 11 | 40 | 4.46 | + 1.20 | 2.00 | 0 | 9 | | | | G. S. Newcomb. |
| Williamstown | Berkshire | 711 | 32 | 54.4 | - 2.1 | 83 | 3† | 30 | 11† | 36 | 2.89 | - 0.15 | 0.99 | 0 | 9 | 12 | 8 | 11 | William College. |
| Worcester | Worcester | 518 | 21 | 57.2 | - 0.5 | 83 | 3 | 34 | 12 | 28 | 3.68 | - 0.37 | 0.92 | 0 | 9 | 12 | 9 | 10 | G. W. Swan. |
| Rhode Island. | | | | | | | | | | | | | | | | | | | |
| Block Island | Newport | 26 | 33 | 53.8 | + 0.9 | 80 | 3 | 39 | 11 | 30 | 1.65 | - 2.10 | 0.70 | 0 | 9 | 12 | 6 | 13 | U. S. Weather Bureau |
| Bristol | Bristol | 53 | 27 | 55.0 | - 0.6 | 74 | 3† | 36 | 11 | 26 | 1.72 | - 2.10 | 0.87 | 0 | 5 | 18 | 8 | 5 | N. G. Herreshoff. |
| Kingston | Washington | 250 | 24 | 53.0 | - 2.0 | 83 | 3 | 27 | 11 | 40 | 2.51 | - 2.06 | 0.98 | 0 | 7 | 13 | 9 | 9 | Nathaniel Helme. |
| Narragansett Pier | Newport | 22 | 31 | 53.6 | - 1.4 | 80 | 3 | 31 | 11 | 34 | 2.75 | - 1.50 | 1.07 | 0 | 10 | 20 | 1 | 10 | U. S. Weather Bureau. |
| Providence | Providence | 182 | 9 | 55.2 | - 3.3 | 86 | 3 | 34 | 11 | 38 | 1.84 | - 1.67 | 0.52 | 0 | 9 | 9 | 11 | 11 | Do. |
| Connecticut. | | | | | | | | | | | | | | | | | | | |
| Bridgeport | Fairfield | 20 | 20 | 58.4 | | 92 | 3 | 31 | 11 | 42 | 2.65 | | 0.93 | 0 | 8 | 15 | 7 | 9 | William Jennings. |
| Canton | Hartford | 900 | 52 | 56.5 | + 0.9 | 88 | 3 | 31 | 11 | 40 | 4.47 | + 0.01 | 2.10 | 0 | 7 | 17 | 2 | 12 | G. J. Case. |
| Colchester | New London | 370 | 27 | 57.0 | - 0.6 | 91 | 3 | 30 | 11 | 36 | 2.86 | - 1.71 | 1.11 | 0 | 7 | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 1—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers | | |
|---------------------|-------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|-----------|--------------------------|-------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of overcast days. | |
| New York. | | | | | | | | | | | | | | | | | | | | | |
| Addison | Steuben | 1,000 | 23 | 56.4 | -0.9 | 91 | 3† | 25 | 11 | 50 | 3.78 | -0.15 | 1.31 | 0 | 11 | 21 | 4 | 6 | sw. | Dr. H. R. Ainsworth. | |
| Albany | Albany | 97 | 92 | 48.2 | -1.5 | 89 | 3 | 34 | 11 | 35 | 3.29 | +0.34 | 1.31 | 0 | 12 | 14 | 8 | 9 | nw. | U. S. Weather Bureau. | |
| Alfred | Allegany | 1,976 | 18 | 52.6 | -2.1 | 86 | 4 | 25 | 8 | 40 | 1.87 | -2.46 | 0.46 | T. | 0 | 9 | 1 | 1 | w. | F. S. Place. | |
| Amsterdam | Montgomery | 277 | 9 | 54.9 | — | 85 | 3† | 28 | 11 | 34 | 3.20 | — | 1.12 | 0 | 6 | 19 | 1 | 11 | w. | Emery Elwood. | |
| Athens | Greene | 90 | 11 | 57.2 | -2.5 | 90 | 3 | 32 | 11† | 35 | 2.71 | 0.00 | 1.18 | 0 | 10 | 12 | 9 | 10 | nw. | E. C. Brooks. | |
| Ballston Lake | Saratoga | 400 | 9 | 54.4 | — | 87 | 3 | 28 | 11 | 36 | 3.66 | — | 1.05 | 0 | 9 | 15 | 3 | 13 | w. | George R. Schaubert. | |
| Bedford | Westchester | 450 | 22 | 59.0 | +0.1 | 86 | 3 | 33 | 11† | 35 | 3.99 | -0.37 | 1.80 | 0 | 11 | 14 | 9 | 8 | nw. | Dr. L. Rosenberg. | |
| Beerton | Delaware | 1,214 | 1 | — | — | 87 | 4 | 20 | 12 | 47 | 3.60 | — | 1.31 | 0 | 13 | 17 | 5 | 9 | w. | John Q. Barlow. | |
| Binghamton | Broome | 875 | 22 | 54.6 | -2.4 | 88 | 4 | 30 | 12 | 39 | 3.14 | +0.05 | 1.10 | 0 | 12 | 4 | 11 | 16 | nw. | U. S. Weather Bureau. | |
| Bouckville | Madison | 1,350 | 16 | 53.1 | -1.1 | 85 | 4 | 25 | 11 | 37 | 2.91 | +0.41 | 1.07 | T. | 0 | 8 | 9 | 13 | nw. | L. W. Griswold. | |
| Boyd's Corners | Putnam | 560 | 31 | — | — | — | — | — | — | — | 3.11 | -1.57 | — | — | — | — | — | — | — | Thomas Manning. | |
| Carmel | —do— | 500 | 21 | 56.8 | -1.9 | 87 | 3 | 31 | 11† | 36 | 3.05 | -1.32 | 1.77 | 0 | 7 | 18 | 3 | 10 | nw. | Do. | |
| Chatham | Columbia | 470 | 12 | 56.0 | -1.6 | 86 | 3 | 28 | 12 | 36 | 3.37 | +0.23 | 0.92 | 0 | 11 | 15 | 7 | 9 | n. | Morton R. Tank. | |
| Cooperstown | Otsego | 1,250 | 59 | 52.1 | -2.5 | 85 | 4 | 25 | 12 | 40 | 4.11 | +0.47 | 1.16 | 0 | 11 | 21 | 4 | 6 | s. | Miss Elizabeth C. Keese | |
| Corinth | Saratoga | 542 | 11 | — | — | — | — | — | — | — | 3.47 | — | 1.10 | 0 | 17 | — | — | — | n. | A. M. Hollister. | |
| Cortland | Cortland | 1,129 | 51 | 55.4 | +1.1 | 89 | 4 | 30 | 11† | 41 | 3.58 | -0.42 | 0.89 | 0 | 1 | 19 | 5 | 7 | nw. | F. G. Baker. | |
| Cutchogue | Suffolk | 32 | 14 | 56.5 | -0.8 | 86 | 3 | 36 | 11 | 38 | 2.07 | -1.34 | 0.87 | 0 | 7 | 15 | 13 | 3 | nw. | William A. Fleet. | |
| DeRuyter | Madison | 1,300 | 10 | 51.6 | -3.1 | 86 | 4 | 24 | 12 | 40 | 3.29 | -0.06 | 1.06 | 0 | 8 | 19 | 2 | 10 | nw. | B. D. Crandall. | |
| Elmira | Chemung | 863 | 30 | 56.5 | -2.1 | 89 | 4 | 31 | 11† | 40 | 2.38 | -0.61 | — | T. | 0 | 7 | 13 | 7 | 11 | sw. | Thurber A. Brown. |
| Glens Falls | Warren | 340 | 22 | 55.8 | -2.2 | 90 | 3 | 31 | 12 | 45 | 2.96 | -0.11 | 0.78 | 0 | 8 | 11 | 4 | 16 | n. | Prof. C. L. Williams. | |
| Gloversville | Fulton | 850 | 21 | 53.8 | -1.8 | 87 | 4 | 28 | 11 | 38 | 3.92 | -0.08 | 1.60 | 0 | 9 | 14 | 11 | 6 | nw. | W. L. McLean. | |
| Greenfield Center | Saratoga | 314 | 15 | 54.4 | -2.2 | 87 | 2 | 27 | 11 | 42 | 3.07 | +0.09 | 1.00 | 0 | 8 | 17 | 7 | 7 | nw. | S. E. Darrow. | |
| Greenwich | Washington | 425 | 16 | 57.7 | +1.0 | 93 | 2† | 25 | 11 | 46 | 3.57 | +0.25 | 0.88 | 0 | 8 | 15 | 9 | 7 | n. | Homer J. Whitcomb. | |
| Haskinsville | Steuben | — | 18 | — | — | — | — | — | — | — | 2.89 | -0.31 | 0.78 | 0 | 10 | — | — | — | n. | W. G. Collins. | |
| Hoosick Falls | Rensselaer | 410 | 11 | — | — | — | — | — | — | — | 3.28 | — | 1.05 | 0 | 8 | — | — | — | n. | Sanford L. Chuet. | |
| Indian Lake | Hamilton | 1,705 | 14 | 50.8 | -1.6 | 86 | 5 | 17 | 15 | 50 | 3.05 | -0.17 | 1.10 | 0 | 8 | 15 | 5 | 11 | n. | Lester Severie, jr. | |
| Jeffersonville | Sullivan | 1,240 | 10 | 54.8 | — | 89 | 3 | 23 | 12 | 48 | 3.70 | — | 1.27 | 0 | 9 | 18 | 6 | 7 | w. | Chas. Willert, jr. | |
| Liberty | —do— | 2,300 | 31 | 54.6 | +0.6 | 82 | 3 | 25 | 10 | 42 | 3.32 | -0.70 | 1.70 | T. | 0 | 10 | 21 | 3 | 7 | nw. | Dr. H. M. King. |
| Little Falls | Herkimer | 924 | 15 | 54.1 | -1.4 | 90 | 4 | 32 | 8† | 36 | 3.77 | +0.36 | 1.26 | T. | 0 | 9 | 19 | 4 | 8 | w. | O. J. Dempster. |
| Mohawk Lake | Ulster | 1,245 | 17 | 57.0 | +0.2 | 87 | 3 | 31 | 11 | 34 | 3.49 | -0.28 | 0.97 | 0 | 7 | 16 | 8 | 7 | nw. | Daniel Smiley. | |
| Morehouseville | Hamilton | 1,697 | 5 | 48.6 | — | 84 | 4 | 17 | 12 | 43 | 5.36 | — | 1.55 | — | 0 | 9 | 22 | 4 | 5 | w. | Theo. C. Remonda. |
| Morrisville | Madison | 1,325 | 1 | 53.6 | — | 87 | 4 | 27 | 15 | 39 | 3.05 | — | 1.10 | 0 | 6 | 15 | 3 | 13 | nw. | Prof. I. M. Charlton. | |
| Mount McGregor | Saratoga | 1,060 | 1 | — | — | 87 | 9 | 34 | 7 | 29 | — | — | — | 0 | — | 8 | 11 | 12 | — | W. S. Stanton. | |
| Mount Hope | Westchester | 200 | 16 | 60.0 | +1.3 | 90 | 3 | 34 | 11 | 37 | 2.85 | -1.65 | 1.12 | 0 | 6 | 13 | 10 | 8 | — | W. A. Cornelius. | |
| Newark Valley | Tioga | 925 | 26 | — | — | — | — | — | — | — | 3.97 | +0.31 | 1.18 | 0 | 8 | — | — | — | — | Lyman D. Clinton. | |
| New Berlin | Chemango | 1,090 | 6 | — | — | — | — | — | — | — | 3.73 | — | 0.79 | 0 | 11 | — | — | — | — | Chas. F. Sarle. | |
| New Lisbon | Otsego | 1,234 | 23 | 50.7 | -2.1 | 87 | 4 | 18 | 12 | 45 | 4.26 | +0.34 | 1.56 | T. | 0 | 9 | 10 | 12 | nw. | G. A. Yates. | |
| New York City | New York | 314 | 88 | 60.2 | +0.9 | 88 | 3 | 36 | 11 | 30 | 2.51 | -0.67 | 1.31 | 0 | 9 | 11 | 7 | 13 | nw. | U. S. Weather Bureau. | |
| North Creek | Warren | 1,002 | 5 | 52.2 | — | 86 | 2† | 28 | 15 | 40 | 2.14 | — | — | 0 | 6 | 18 | 5 | 8 | nw. | W. G. Kenwell. | |
| Northville | Fulton | 742 | 11 | — | — | — | — | — | — | — | 3.49 | — | 1.98 | 0 | 4 | — | — | — | — | P. C. Pickard. | |
| Oneonta | Otsego | 1,112 | 19 | 55.8 | -1.4 | 91 | 4 | 25 | 12 | 42 | 3.78 | +0.52 | 1.71 | T. | 0 | 7 | 15 | 7 | 9 | nw. | H. W. Lee. |
| Oxford | Chemango | 916 | 48 | 54.2 | -1.3 | 86 | 4 | 25 | 12 | 40 | 3.75 | -0.20 | 1.13 | 0 | 9 | 11 | 13 | 7 | w. | J. P. Davis. | |
| Oyster Bay | Nassau | 40 | 9 | — | — | 87 | 3† | 36 | 10 | 31 | — | — | — | 0 | — | 19 | 4 | 8 | nw. | Prof. Thos. Colby. | |
| Port Jervis | Orange | 470 | 29 | 58.4 | -0.8 | 91 | 3 | 29 | 11 | 40 | 3.03 | -1.28 | 1.53 | 0 | 8 | 18 | 2 | 11 | nw. | W. H. Neapass. | |
| Roslyn | Nassau | 215 | 1 | 59.0 | — | 90 | 3 | 34 | 11 | 35 | 2.94 | — | 0.94 | 0 | 15 | 18 | 3 | 10 | sw. | C. H. Hechler. | |
| Salisbury | Herkimer | 1,526 | 16 | 49.7 | -4.2 | 85 | 4 | 20 | 10† | 41 | 5.22 | +0.80 | 1.51 | 0 | 7 | 18 | 8 | 5 | w. | Joseph Ryan. | |
| Scarsdale | Westchester | 200 | 9 | 59.3 | — | 88 | 2 | 33 | 11 | 28 | 2.72 | — | 0.90 | 0 | 9 | 17 | 6 | 8 | nw. | C. H. Wilmarth. | |
| Setauket | Suffolk | 40 | 28 | 57.7 | +0.2 | 83 | 3 | 37 | 11 | 33 | 2.52 | -1.12 | 1.05 | 0 | 7 | 18 | 3 | 10 | w. | Selah B. Strong. | |
| Sherburne | Chemango | 6 | — | — | — | — | — | — | — | — | 3.50 | — | 0.92 | 0 | 8 | — | — | — | — | D. G. Trow. | |
| Southampton | Suffolk | 36 | 12 | 56.6 | +0.9 | 86 | 3 | 37 | 11 | 38 | 2.90 | -0.55 | 0.54 | 0 | 9 | 15 | 10 | 6 | nw. | W. L. Jagger. | |
| Southeast Reservoir | Putnam | 310 | 18 | — | — | — | — | — | — | — | 3.69 | -0.90 | — | — | — | — | — | — | — | Thos. Manning. | |
| South Edmeston | Otsego | 1,300 | 1 | 52.8 | — | 87 | 4 | 22 | 12 | 43 | 3.27 | — | 1.40 | T. | 0 | 9 | 17 | 7 | 7 | nw. | F. H. Bilderbeck. |
| Spier Falls | Saratoga | 400 | 12 | 55.2 | -2.4 | 90 | 2 | 28 | 14 | 40 | 3.08 | -0.42 | 1.03 | 0 | 7 | 11 | 12 | 8 | w. | George E. Fifield. | |
| Trenton Falls | Oneida | 751 | 10 | — | — | — | — | — | — | — | 4.07 | — | 1.15 | 0 | 9 | — | — | — | — | C. W. Young. | |
| Tribeshill | Montgomery | 268 | 10 | — | — | — | — | — | — | — | 4.30 | — | — | 0 | 7 | — | — | — | — | R. S. Marshall. | |
| Troy | Rensselaer | — | 0 | — | — | — | — | — | — | — | — | — | — | — | — | 16 | 3 | 12 | — | David B. Plum. | |
| Utica | Oneida | 537 | 47 | — | — | — | — | — | — | — | 3.70 | +0.04 | 1.20 | 0 | 7 | — | — | — | — | W. E. Young. | |
| Wading River | Suffolk | 112 | 7 | 57.8 | — | 89 | 3 | 33 | 20 | 43 | 2.78 | — | 0.85 | 0 | 10 | 20 | 5 | 6 | sw. | H. B. Fullerton. | |
| Wappingers Falls | Dutchess | 110 | 23 | 57.3 | -2.7 | 85 | 3 | 32 | 22 | 36 | 3.41 | -1.42 | 1.68 | 0 | 11 | 16 | 9 | 6 | — | I. C. Townsend. | |
| Warwick | Orange | 538 | 19 | — | — | — | — | — | — | — | 3.12 | — | 0.91 | 1.63 | 0 | 7 | 19 | 4 | 8 | — | John W. Sly. |
| Waverly | Tioga | 824 | 31 | 55.8 | -1.8 | 91 | 4 | 24 | 12 | 49 | 3.91 | +0.55 | 1.13 | 0 | 15 | 6 | 17 | 8 | nw. | J. F. Shoemaker. | |
| West Berne | Albany | 946 | 14 | 54.2 | -2.2 | 87 | 3 | 26 | 12† | 44 | 3.20 | +0.21 | 0.98 | 0 | 7 | 8 | 9 | 14 | w. | W. J. Haverly. | |
| West Point | Orange | 167 | 63 | 61.0 | -1.1 | 92 | 4 | 35 | 11 | 34 | 4.11 | -0.41 | 1.23 | 0 | 10 | 11 | 10 | 10 | ne. | U. S. Military Academy. | |
| Windham | Greene | 1,520 | 13 | 53.5 | +0.2 | 84 | 4† | 26 | 12 | 40 | 2.63 | -0.67 | 1.03 | 0 | 5 | 12 | 11 | 8 | nw. | A. R. Mott. | |
| Pennsylvania. | | | | | | | | | | | | | | | | | | | | | |
| Altoona | Blair | 1,181 | 25 | 57.5 | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 1—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|------------------------|---------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|---------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Pennsylvania—Contd. | | | | | | | | | | | | | | | | | | | | |
| Selinsgrove..... | Snyder..... | 455 | 25 | 60.2 | - 1.2 | 90 | 3 | 27 | 12 | 54 | 3.36 | - 1.10 | 1.12 | 0 | 9 | 0 | 21 | 10 | se. | J. M. Boyer, C. E. |
| State College..... | Center..... | 1,191 | 25 | 58.7 | - 0.4 | 87 | 4 | 32 | 11 | 34 | 4.23 | - 0.00 | 1.08 | 0 | 12 | ..... | ..... | ..... | w. | Prof. Wm. Frear. |
| Towanda..... | Bradford..... | 754 | 18 | 55.6 | - 2.7 | 88 | 4 | 28 | 11 | 43 | 2.09 | - 1.02 | 1.12 | 0 | 10 | 11 | 9 | 11 | nw. | Hiram E. Bull, C. E. |
| Wellsboro..... | Tioga..... | 1,327 | 36 | 55.7 | - 1.3 | 89 | 4 | 95 | 12 | 48 | 3.56 | - 0.77 | 0.98 | 0 | 10 | 16 | 11 | 4 | nw. | O. L. White. |
| West Chester..... | Chester..... | 455 | 59 | 61.6 | + 1.1 | 90 | 4 | 35 | 11 | 33 | 5.87 | + 1.29 | 1.65 | 0 | 16 | 14 | 11 | 6 | nw. | J. C. Green, D. D. S. |
| Williamsport..... | Lycoming..... | 530 | 23 | 58.1 | - 2.5 | 88 | 3 | 33 | 12 | 40 | 3.54 | + 0.82 | 0.69 | 0 | 11 | 17 | 4 | 10 | nw. | Henry H. Guise. |
| New Jersey. | | | | | | | | | | | | | | | | | | | | |
| Asbury Park..... | Monmouth..... | 22 | 25 | 59.4 | + 0.7 | 87 | 3 | 32 | 11 | 33 | 3.49 | - 0.22 | 1.80 | 0 | 11 | 7 | 15 | 9 | nw. | H. E. Denegar. |
| Atlantic City..... | Atlantic..... | 16 | 40 | 60.4 | + 2.9 | 89 | 3 | 34 | 11 | 31 | 3.52 | + 0.52 | 1.84 | 0 | 9 | 12 | 9 | 10 | nw. | U. S. Weather Bureau. |
| Bayonne..... | Hudson..... | 50 | 23 | 60.5 | + 3.0 | 92 | 3 | 35 | 11 | 32 | 3.00 | - 0.00 | 1.50 | 0 | 10 | 15 | 6 | 10 | nw. | Erskine R. Eadie. |
| Belvidere..... | Warren..... | 289 | 23 | 59.8 | - 0.9 | 93 | 3 | 30 | 12 | 45 | 3.20 | - 0.69 | 1.65 | 0 | 6 | 22 | 0 | 9 | nw. | Samuel J. Hixson. |
| Bergen Point..... | Hudson..... | 37 | 16 | 60.6 | + 0.9 | 89 | 3 | 35 | 11 | 32 | 3.39 | - 0.59 | 1.41 | 0 | 8 | 11 | 12 | 8 | nw. | Wm. H. Mitchell, D. D. S. |
| Boonton II..... | Morris..... | 230 | 23 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 7 | 24 | 0 | 7 | se. | Joseph White. |
| Bridgeton..... | Cumberland..... | 30 | 32 | 61.8 | - 2.1 | 91 | 3 | 33 | 11 | 40 | 3.69 | - 0.24 | 1.15 | 0 | 9 | 15 | 8 | 8 | w. | Henry A. Jorden. |
| Burlington..... | Burlington..... | 12 | 27 | 61.0 | - 0.5 | 87 | 3 | 35 | 11 | 37 | 3.87 | - 0.36 | 1.60 | 0 | 10 | 19 | 7 | 5 | nw. | D. S. B. McCoy. |
| Cape May City..... | Cape May..... | 17 | 35 | 58.1 | - 0.5 | 87 | 3 | 41 | 11 | 32 | 3.34 | + 0.35 | 1.26 | 0 | 11 | 13 | 13 | 5 | nw. | U. S. Weather Bureau. |
| Charlotteburg..... | Passaic..... | 719 | 21 | 57.8 | + 0.5 | 87 | 3 | 32 | 11 | 38 | 3.07 | - 1.73 | 1.83 | 0 | 5 | 19 | 8 | 4 | nw. | George S. Briggs. |
| Chatham II..... | Morris..... | 234 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 10 | 18 | 0 | 13 | nw. | M. A. Butler. |
| Clayton..... | Gloucester..... | 126 | 20 | 61.1 | - 0.8 | 89 | 4 | 33 | 11 | 36 | 4.38 | + 1.12 | 1.17 | 0 | 7 | 21 | 5 | 5 | nw. | William T. Farley. |
| Culvers Lake..... | Sussex..... | 848 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 9 | 21 | 3 | 7 | nw. | Brice E. Riker. |
| Dover..... | Morris..... | 600 | 29 | 57.7 | - 0.9 | 90 | 3 | 31 | 11 | 37 | 3.17 | - 0.97 | 1.60 | 0 | 8 | 6 | 14 | 11 | nw. | William C. Harris. |
| Elizabeth..... | Union..... | 45 | 34 | 60.4 | - 1.8 | 91 | 3 | 31 | 11 | 38 | 3.11 | - 0.81 | 1.72 | 0 | 11 | 16 | 7 | 8 | nw. | L. B. Bonnett. |
| Flemington..... | Hunterdon..... | 140 | 25 | 60.8 | + 0.9 | 92 | 3 | 34 | 12 | 37 | 2.94 | - 1.35 | 1.10 | 0 | 10 | 18 | 3 | 10 | nw. | Hiram E. Deats. |
| Haddonfield..... | Camden..... | 75 | 26 | 61.3 | - 0.4 | 89 | 3 | 35 | 11 | 36 | 4.42 | + 0.51 | 1.25 | 0 | 11 | 15 | 8 | 8 | nw. | Charles F. Richardson. |
| Highstown..... | Mercer..... | 119 | 21 | 60.5 | - 0.6 | 90 | 3 | 31 | 12 | 38 | 3.20 | - 0.60 | 1.60 | 0 | 7 | 17 | 4 | 10 | se. | Frank V. Jemison. |
| Highwood..... | Bergen..... | 90 | 26 | 57.8 | - 1.9 | 90 | 3 | 30 | 11 | 40 | 2.75 | - 1.09 | 1.37 | 0 | 9 | 15 | 4 | 12 | nw. | Charles J. Bates. |
| Imlaystown..... | Monmouth..... | 107 | 25 | 60.4 | - 1.8 | 90 | 3 | 28 | 11 | 37 | 3.23 | - 0.66 | 0.95 | 0 | 7 | 12 | 10 | 9 | w. | H. E. Bullock. |
| Indian Mills..... | Burlington..... | 76 | 24 | 64.0 | + 2.0 | 94 | 6 | 30 | 11 | 40 | 4.80 | + 0.76 | 1.40 | 0 | 11 | 15 | 10 | 6 | nw. | James Armstrong. |
| Jersey City..... | Hudson..... | 10 | 15 | 62.0 | + 0.9 | 93 | 3 | 35 | 11 | 33 | 3.13 | - 0.05 | 1.85 | 0 | 8 | 12 | 9 | 10 | nw. | Samuel K. Pearson, jr. |
| Lakewood..... | Ocean..... | 54 | 11 | 60.4 | + 0.2 | 89 | 3 | 34 | 10 | 32 | 3.48 | - 0.61 | 1.05 | 0 | 7 | 1 | 25 | 5 | nw. | Ralph Robertson. |
| Layton..... | Sussex..... | 550 | 14 | 56.1 | - 1.8 | 88 | 3 | 25 | 12 | 46 | 3.21 | - 0.12 | 1.50 | 0 | 5 | 21 | 3 | 7 | n. | Warren C. Hursh. |
| Little Falls..... | Passaic..... | 175 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 9 | 14 | 2 | 15 | w. | A. Sweetman. |
| Long Branch..... | Monmouth..... | 30 | 6 | 58.0 | ..... | 88 | 3 | 30 | 11 | 37 | 4.19 | - 0.59 | 1.50 | 0 | 12 | 15 | 8 | 8 | nw. | Wm. D. Martin, jr. |
| Mahwah II..... | Bergen..... | 312 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 7 | 18 | ..... | 13 | nw. | Charles L. Barker. |
| Moorestown..... | Burlington..... | 75 | 51 | 61.2 | + 0.1 | 90 | 6 | 34 | 11 | 35 | 4.86 | + 0.83 | 2.13 | 0 | 9 | 17 | 8 | 6 | nw. | George L. Gillingham. |
| Newark..... | Essex..... | 159 | 70 | 63.1 | + 2.3 | 93 | 3 | 35 | 11 | 33 | 3.63 | - 0.41 | 2.22 | 0 | 10 | 16 | 6 | 9 | nw. | Prof. William Wiener. |
| New Brunswick..... | Middlesex..... | 100 | 60 | 59.6 | - 1.0 | 91 | 4 | 31 | 11 | 33 | 3.39 | - 0.52 | 1.67 | 0 | 11 | 16 | 5 | 10 | nw. | Prof. Jacob G. Lipman. |
| Newton..... | Sussex..... | 678 | 34 | 59.3 | 0.0 | 90 | 3 | 31 | 12 | 38 | 3.54 | - 0.60 | 1.60 | 0 | 9 | 15 | 4 | 12 | nw. | F. Vernon Losee. |
| Northfield..... | Atlantic..... | 25 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 9 | ..... | ..... | ..... | ..... | William L. Flick. |
| Paterson..... | Passaic..... | 80 | 42 | 62.8 | + 1.5 | 93 | 2 | 34 | 11 | 37 | 2.53 | - 1.96 | 1.29 | 0 | 8 | 10 | 13 | 8 | nw. | Heber A. Probert. |
| Phillipsburg..... | Warren..... | 363 | 23 | 60.6 | - 0.7 | 91 | 3 | 33 | 12 | 38 | 2.74 | - 1.31 | 1.61 | 0 | 7 | 20 | 2 | 9 | se. | D. W. Smith. |
| Plainfield..... | Union..... | 100 | 27 | 60.1 | - 0.2 | 91 | 3 | 33 | 11 | 40 | 2.85 | - 0.98 | 1.31 | 0 | 11 | 13 | 8 | 10 | sw. | John Neagle. |
| Pleasantville..... | Atlantic..... | 26 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 8 | 23 | 5 | 3 | ..... | Lincoln Van Gilder. |
| Pompton Plains II..... | Morris..... | 195 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 8 | 19 | 2 | 10 | n. | M. S. Taylor. |
| Somerville..... | Somerset..... | 60 | 30 | 61.0 | - 0.1 | 91 | 3 | 33 | 11 | 39 | 3.36 | - 0.76 | 1.97 | 0 | 8 | 18 | 7 | 6 | nw. | A. A. Macdonald. |
| South Orange..... | Essex..... | 200 | 43 | 59.8 | - 0.2 | 87 | 3 | 33 | 11 | 32 | 3.18 | - 0.28 | 1.40 | 0 | 7 | 8 | 1 | 22 | w. | Dr. Wm. J. Chandler. |
| Sussex..... | Sussex..... | 442 | 23 | 58.6 | - 1.3 | 88 | 3 | 32 | 11 | 37 | 2.88 | - 1.03 | 1.50 | 0 | 5 | 17 | 5 | 9 | nw. | George Dymock. |
| Trenton..... | Mercer..... | 63 | 42 | 60.8 | - 1.6 | 90 | 3 | 34 | 11 | 31 | 3.00 | - 1.06 | 1.51 | 0 | 8 | 15 | 6 | 10 | nw. | U. S. Weather Bureau. |
| Tuckerton..... | Ocean..... | 23 | 20 | 61.0 | + 1.3 | 89 | 3 | 29 | 11 | 38 | 3.21 | - 0.22 | 1.65 | 0 | 8 | 19 | 6 | 6 | nw. | Frank R. Austin. |
| Vineland..... | Cumberland..... | 118 | 44 | 62.0 | - 0.2 | 92 | 4 | 31 | 11 | 37 | 4.31 | - 0.54 | 2.26 | 0 | 9 | 16 | 12 | 3 | nw. | Alfred Chalmers. |
| Woodbine..... | Cape May..... | 43 | 22 | 61.2 | + 0.8 | 89 | 3 | 30 | 11 | 35 | 4.30 | + 0.40 | 2.30 | 0 | 12 | ..... | ..... | ..... | ..... | Prof. R. D. Maltby. |
| West Virginia. | | | | | | | | | | | | | | | | | | | | |
| Bayard..... | Grant..... | 2,500 | 11 | 55.6 ^b | - 1.7 | 86 | 5 | 19 | 12 | 53 ^b | 7.90 | + 3.83 | 1.86 | 0 | 12 | 10 ^b | 5 ^b | 14 ^b | w. | Solomon Clark. |
| Burlington..... | Mineral..... | 875 | 19 | 60.0 | - 1.8 | 90 | 5 | 26 | 12 | 50 | 7.08 | + 3.23 | 1.45 | 0 | 9 | 12 | 13 | 6 | w. | J. W. Vandiver. |
| Franklin..... | Pendleton..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | 11 | 13 | 12 | 6 | sw. | Fred Calhoun. |
| Lost City..... | Hardy..... | 7 | ..... | 58.5 | ..... | 80 | 5 | 30 | 12 | 36 | 6.03 | ..... | 1.27 | 0 | 11 | 13 | 12 | 6 | sw. | B. D. Hinegardner. |
| Martinsburg..... | Berkeley..... | 435 | 21 | 63.5 | + 0.2 | 95 | 3 | 33 | 12 | 51 | 3.98 | + 0.20 | ..... | 0 | 10 | 16 | 9 | 6 | s. | G. W. VanMetre, C. E. |
| Moorefield..... | Hardy..... | 900 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | ..... | ..... | ..... | ..... | ..... | John C. Fisher. |
| Romney..... | Hampshire..... | 824 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0 | ..... | ..... | ..... | ..... | ..... | E. F. Staub. |
| Upper Tract..... | Pendleton..... | 1,230 | 15 | 61.4 | - 0.5 | 89 | 6 | 25 | 11 | 46 | 4.98 | + 1.45 | 1.50 | 0 | 11 | 9 | 15 | 7 | w. | J. M. Mallow. |
| Maryland. | | | | | | | | | | | | | | | | | | | | |
| Annapolis..... | Anne Arundel..... | 45 | 41 | 66.0 | + 2.1 | 88 | 3 | 39 | 11 | 32 | 3.87 | - 0.52 | 2.00 | 0 | 7 | 11 | 3 | 17 | nw. | U. S. Naval Academy. |
| Baltimore..... | Baltimore..... | 115 | 43 | 64.9 | + 0.7 | 91 | 3 | 40 | 11 | 32 | 3.12 | - 0.44 | 1.86 | 0 | 11 | 14 | 8 | 9 | n. | U. S. Weather Bureau. |
| Cambridge..... | Dorchester..... | 25 | 15 | 65.9 | + 0.1 | 93 | 4 | 38 | 11 | 46 | 3.78 | + 0.12 | 1.98 | 0 | 9 | 16 | 10 | 5 | sw. | T. E. Keenan. |
| Cheltenham..... | Prince Georges..... | 230 | 13 | 63.8 | 0.0 | 90 | 3 | 29 | 11 | 40 | 6.07 | + 3.32 | 2.20 | 0 | 11 | 17 | 4 | 10 | nw. | George Hartnell. |
| Chestertown..... | Kent..... | 80 | 27 | 63.6 | + 0.8 | 89 | 4 | 35 | 10 | 36 | 3.88 | - 0.07 | 1.18 | 0 | 5 | 17 | 11 | 3 | sw. | M. W. Thomas. |
| Cheswille..... | Washington..... | 530 | 16 | 60.8 | - 0.5 | 91 | 3 | 26 | 12 | 43 | 2.98 | - 0.71 | 1.04 | 0 | 9 | 11 | 16 | 4 | nw. | D. Paul Oswald. |
| Clear Spring..... | do..... | 650 | 15 | 60.8 | - 1.0 | 89 | 4 | 33 | 11 | 43 | 5.22 | + 1.58 | 1.28 | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 1—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Observers. | | |
|-----------------------|-------------------|------------------|--------------------------|-------------------------------------|----------------------------|-----------------|-------|-----------------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------|------------------------|-----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | Number of cloudy days. | Prevailing wind direction. |
| Maryland—Continued. | | | | | | | | | | | | | | | | | | | | |
| State Sanatorium | Frederick | 1,460 | 6 | | | | | | | | | | | | | | | | | Superintendent. |
| Sudlersville | Queen Annes | 65 | 15 | 63.0 | - 0.9 | 91 | 3† | 33 | 12 | 40 | 2.66 | - 0.65 | 0.88 | 0 | 11 | 18 | 8 | 5 | e. | Henry L. Higman. |
| Takoma Park | Montgomery | 320 | 15 | 63.2 | - 0.1 | 90 | 3 | 35 | 11 | 40 | 4.38 | + 1.11 | 2.35 | 0 | 10 | 8 | 18 | 5 | | L. M. Mooers. |
| Towson | Baltimore | 465 | 5 | 62.6 | | 92 | 3 | 30 | 11 | 39 | 2.99 | | 1.30 | 0 | 10 | 15 | 6 | 10 | se. | C. W. E. Treadwell. |
| Van Bibber | Harford | 100 | 16 | 61.3 | - 1.6 | 87 | 3 | 28 | 11 | 38 | 3.78 | + 0.34 | 2.03 | 0 | 8 | 18 | 6 | 7 | | W. Benj. Ford. |
| Westernport | Allegany | 1,000 | 19 | 61.4 | - 0.6 | 91 | 2 | 30 | 12 | 47 | 7.94 | + 3.82 | 1.75 | 0 | 12 | | | | | Prof. O. H. Bruce. |
| Westminster | Carroll | 860 | 20 | 62.2 ^a | + 0.8 | 90 ^d | 3 | 29 ^d | 12 | 39 ^d | 3.46 | - 2.07 | 1.25 | 0 | 7 | 17 ^d | 2 ^d | 8 ^d | w. | Prof. G. F. Morelock. |
| Woodstock | Baltimore | 392 | 43 | 65.6 | + 2.7 | 89 | 3† | 36 | 12 | 32 | 2.87 | - 1.00 | 0.78 | 0 | 9 | 21 | 2 | 8 | w. | Rev. J. F. Dawson, S. J. |
| Delaware. | | | | | | | | | | | | | | | | | | | | |
| Delaware City | Newcastle | 10 | 6 | 63.3 | | 88 | 3† | 34 | 11 | 34 | 4.75 | + 1.86 | 1.26 | 0 | 7 | 24 | 2 | 5 | s. | H. Morton Price. |
| Dover | Kent | 40 | 25 | 63.4 | - 0.2 | 93 | 4 | 33 | 11 | 40 | 4.68 | + 1.02 | 1.85 | 0 | 10 | 12 | 14 | 5 | nw. | W. C. Josting. |
| Milford | do | 20 | 29 | 64.4 | + 1.5 | 91 | 3† | 33 | 11 | 38 | 4.74 | + 0.79 | 3.04 | 0 | 8 | 17 | 11 | 3 | nw. | C. J. Holzmüller. |
| Millsboro | Sussex | 20 | 21 | 63.4 | + 0.4 | 88 | 4 | 34 | 12 | 35 | 3.18 | - 0.63 | 1.05 | 0 | 5 | 20 | 4 | 7 | se. | Rev. L. W. Wells. |
| Seaford | do | 40 | 22 | 64.0 | + 0.7 | 91 | 4 | 32 | 12 | 40 | 3.38 | - 0.82 | 1.80 | 0 | 8 | 19 | 8 | 4 | s. | E. B. Brown. |
| Wilmington | Newcastle | 86 | 2 | 64.2 ^a | | 90 ^a | 3 | 37 ^a | 11 | 32 ^a | 5.78 | + 2.49 | 1.30 | 0 | 9 | 20 | 7 | 4 | nw. | A. J. Taylor. |
| District of Columbia. | | | | | | | | | | | | | | | | | | | | |
| Washington | Dist. of Columbia | 112 | 43 | 64.4 | + 0.2 | 90 | 4 | 37 | 12 | 36 | 4.55 | + 0.72 | 2.49 | 0 | 11 | 11 | 8 | 12 | nw. | U. S. Weather Bureau. |
| Virginia. | | | | | | | | | | | | | | | | | | | | |
| Culpeper | Culpeper | 450 | 5 | 64.0 | | 90 | 2 | 32 | 12 | 48 | 6.05 | | 4.00 | 0 | 7 | 14 | 14 | 3 | nw. | Col. H. C. Burrows. |
| Dale Enterprise | Rockingham | 1,350 | 34 | 62.6 | - 0.3 | 89 | 3 | 27 | 12 | 46 | 4.46 | - 0.06 | 1.92 | 0 | 10 | 10 | 10 | 11 | s. | Rev. L. J. Heatwole. |
| Eastville | Northampton | 15 | 3 | 65.8 | + 0.4 | 88 | 3 | 34 | 12 | 35 | 6.27 | + 2.37 | 1.55 | 0 | 12 | 14 | 15 | 2 | sw. | T. B. Robertson. |
| Fredericksburg | Spotsylvania | 100 | 24 | 65.0 | - 0.1 | 90 | 4 | 34 | 11† | 43 | 4.03 | - 0.13 | 1.86 | 0 | 10 | 20 | 6 | 5 | nw. | S. G. Howison. |
| Lincoln | Loudoun | 500 | 12 | 61.8 | - 2.6 | 92 | 4† | 29 | 12 | 41 | 5.29 | + 1.85 | 1.65 | 0 | 8 | 14 | 8 | 9 | n. | Dr. Geo. Roberts. |
| Mount Weather | do | 1,726 | 9 | 59.8 | + 0.3 | 83 | 4 | 31 | 11 | 26 | 4.62 | + 0.87 | 1.86 | 0 | 10 | 11 | 10 | 12 | nw. | U. S. Weather Bureau. |
| Quantico | Prince William | 16 | 16 | 64.5 | + 0.7 | 89 | 3† | 30 | 11 | 44 | 8.45 | | 4.97 | 0 | 8 | 22 | 5 | 4 | ne. | Rich., Fdksbg. & Pot. R. R. |
| Staunton | Augusta | 1,380 | 21 | 63.9 | + 0.6 | 90 | 5 | 31 | 11† | 43 | 3.58 | - 0.34 | 1.52 | 0 | 13 | 7 | 11 | 13 | ne. | Ernest Nothnagel. |
| Swetnam | Fairfax | 300 | 1 | | | | | | | | 4.47 | | 1.73 | 0 | 8 | 18 | 3 | 9 | se. | Potomac Electric Power Co. |
| Warsaw | Richmond | 160 | 21 | 65.8 | + 0.4 | 91 | 3 | 30 | 12 | 40 | 3.79 | + 0.13 | 1.60 | 0 | 10 | 12 | 16 | 3 | n. | C. H. Constable. |
| Winchester | Frederick | 717 | 2 | 62.5 | | 90 | 5 | 34 | 7† | 47 | 4.79 | | 1.04 | 0 | 9 | 14 | 10 | 7 | w. | Bentley Kern. |
| Woodstock | Shenandoah | 927 | 17 | 63.6 | - 0.1 | 90 | 3† | 30 | 12 | 46 | 4.23 | - 0.49 | 1.33 | 0 | 11 | 9 | 15 | 7 | w. | Mrs. A. G. Artz. |

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for May, 1913. District No. 1, North Atlantic States.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|-----------------|--------------|---------------|-----|-----|---|-----|-----|-----|-----|------|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Maine. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ashland | St. John | | | .03 | | | | .05 | | .03 | T. | T. | T. | | T. | | T. | | .05 | .05 | | | .50 | .60 | .50 | T. | T. | | T. | T. | 1.25 | .50 | 3.56 | |
| Bar Harbor | Coast | | | | | | | | | .20 | | | | | | | | | .12 | | | | .45 | .22 | .45 | .09 | | | T. | .02 | .97 | .23 | 2.75 | |
| Cambridge | Kennebec | | | | | | | | | .05 | | | | | | | | .13 | | .05 | | | .44 | 1.02 | .41 | .73 | | | T. | 1.00 | .94 | | 4.21 | |
| Cornish | Saco | | T. | T. | | | | .02 | | .05 | | | | | | | | | | | | T. | * | * | 1.30 | | | | | | * | 1.62 | 5.40 | |
| Danforth | Penobscot | | | | | | | | * | 1.40 | | | | | | | | | .60 | | | | * | * | 1.30 | | | | | | | | 4.02 | |
| Eastport | Coast | .02 | T. | T. | | | | .19 | | .04 | .02 | T. | | | .36 | | | | .06 | T. | .60 | | .29 | .58 | .31 | .05 | | | .02 | 1.26 | .82 | | 4.02 | |
| Eustis | Kennebec | | | | | | T. | T. | | .07 | T. | | | | T. | | | | .12 | .11 | .01 | | .34 | .16 | .15 | .17 | .01 | .03 | .18 | 1.15 | .03 | | 2.53 | |
| Fairfield | do | | | | | | | | .03 | | | | | | | .08 | | | .08 | | | * | .55 | | | .70 | | | | 1.04 | .05 | | 2.53 | |
| Farmington | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gardiner | do | | .13 | | | | | | | .23 | | | | | | | .27 | .02 | .04 | | | | .28 | .31 | .61 | .41 | | | .03 | 1.03 | .13 | .02 | 3.01 | |
| Greenville | do | | | | | T. | .20 | .02 | | .16 | T. | T. | | | .04 | | | | .26 | .04 | | | .64 | .22 | .08 | .01 | | | T. | .45 | .89 | * | 3.01 | |
| Houlton | St. John | | | | | | | | | .52 | | | | | .30 | | | | | | | | .51 | | | | | | | | | | 1.83 | |
| Howe Brook | Penobscot | | | | | | | | | | | | | | | | | | .10 | | | | .08 | .30 | .08 | | | | | | | | 1.08 | |
| Lewiston | Androscoggin | | | | | .01 | | | | .18 | | | | | T. | | .20 | | .12 | | | | .27 | .57 | .46 | .88 | | | | .18 | 1.35 | | T. | 4.22 |
| Madison | Kennebec | | | .06 | | | | | .14 | .18 | | | | | | | | | .22 | | | | .28 | 1.56 | | .29 | | | 1.48 | .08 | | | 4.29 | |
| Millinocket | Penobscot | | | | | | T. | T. | .19 | .22 | | | | | .03 | | | | .06 | .01 | | .02 | .89 | .10 | | | | | .71 | .51 | | | 2.87 | |
| North Bridgton | Saco | | | | | | | | | .07 | | | | | .02 | | .19 | | .05 | | | | .37 | .75 | .76 | 1.13 | | | * | 1.37 | | | 4.71 | |
| Orono | Penobscot | | | | | | | | | T. | | T. | | | .11 | | | | | .11 | | | .39 | .47 | .38 | | | | | .59 | .95 | | 3.15 | |
| Patten | do | | | | | | | | | .04 | | | | | | | | | | | | 1.00 | T. | | | | | | | 1.00 | | | 3.64 | |
| Portland | Coast | | | T. | | | | | | .02 | | | | | .02 | | .14 | | .03 | | | T. | .45 | .65 | .37 | .46 | | | T. | .18 | .60 | | 2.92 | |
| Presque Isle | St. John | | | | | | T. | | | .14 | | | | | .16 | | | | T. | .66 | | .31 | .51 | | | | | | .57 | 1.02 | | | 3.53 | |
| Rumford Falls | Androscoggin | | | | | | T. | | | T. | | | | | | .23 | | .10 | | | | .53 | .69 | .47 | .45 | | | T. | .70 | .48 | | .03 | 3.08 | |
| The Forks | Kennebec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Van Buren | St. John | | | | | | .06 | | | .32 | T. | T. | | | | | | | * | .64 | | .30 | .41 | | | | .20 | T. | .20 | .94 | .79 | | 3.86 | |
| Winslow | Kennebec | | | | | | | | .01 | | | | | | | | | | | .15 | | | * | * | * | | 1.87 | .01 | | 1.38 | | .03 | 3.45 | |
| New Hampshire. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alstead Center | Connecticut | | | | | T. | T. | | | T. | T. | | | .06 | .03 | | .21 | .01 | .03 | | | T. | .33 | .75 | .73 | .42 | .08 | .03 | .33 | .75 | | T. | 3.76 | |
| Benton | do | | | | | | | | | | | | | .10 | | | .29 | | .14 | | .09 | | .57 | .86 | .04 | .22 | | | .28 | .95 | .16 | | 3.73 | |
| Bethlehem | do | | | | | | | | | .02 | | | | T. | .14 | | .36 | | .21 | | .09 | | .56 | 1.05 | .42 | .16 | | T. | .23 | .89 | | T. | 4.13 | |
| Brookline | Merrimack | | | | | | | | | T. | T. | | | | | .25 | | | | .02 | | | .80 | 1.20 | .20 | .18 | | T. | 1.40 | | | | 4.05 | |
| Concord | do | T. | | | | | | | | .03 | T. | | | .03 | | .19 | | T. | .01 | | | T. | .31 | .68 | .32 | .12 | | .02 | 1.08 | .38 | | T. | 3.17 | |
| Durham | do | | | | | | | | | .01 | | | | | | .91 | | | | | | | .34 | .73 | 1.00 | .04 | | | | 1.11 | | .03 | 4.17 | |
| Franklin | do | | | | | | | | | .05 | | | | T. | .05 | .15 | | .05 | | | | .40 | .65 | .91 | .67 | | | T. | .20 | 1.15 | | | 4.28 | |
| Gravton | do | | | | | | | | | .05 | | | | T. | | .05 | | .14 | T. | | | .31 | .75 | .50 | .25 | | .01 | .28 | .98 | | | 3.52 | | |
| Hanover | Connecticut | | | | | | | | | .01 | T. | | | .01 | .08 | .27 | .01 | .23 | | | | .69 | 1.44 | .35 | .19 | | .01 | .74 | .51 | | | 4.54 | | |
| Kennebec | do | | | | | | | | | | | | | T. | .01 | .19 | | .01 | T. | | T. | .44 | .90 | 1.31 | .16 | .12 | .03 | .30 | .63 | | | 4.10 | | |
| Nashua | Merrimack | | | | | | | | | T. | | | | T. | .01 | .24 | | T. | | | T. | .30 | 1.44 | .26 | .35 | | T | 1.00 | .10 | | | 3.69 | | |
| Newton | do | | | | | | | | | .03 | | | | T. | | .22 | | T. | | | T. | .34 | .39 | .70 | .46 | | | 1.13 | T. | | | 3.27 | | |
| Plymouth | do | | | | | T. | | | | T. | | | | T. | .02 | .29 | | .14 | | | | .60 | .71 | .32 | .26 | | T. | .34 | 1.00 | | | 3.73 | | |
| Vermont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bloomfield | Connecticut | | | | | | | | | .03 | .03 | | | | .12 | | .33 | | .04 | .30 | .03 | | .42 | .33 | .26 | .04 | .06 | | .11 | 1.00 | .03 | | 3.13 | |
| Cavendish | do | | | | | | | | | | | | | .06 | | .38 | | .01 | .03 | | .04 | .45 | .81 | | .75 | | | .15 | .90 | .45 | | 4.03 | | |
| Chelsea | do | | | | | T. | | | .02 | | | | | | | .02 | | .02 | | | | | | | | | | .12 | .46 | .64 | | | 2.81 | |
| Manchester | Hudson | | | | | | | | | | T. | | | | | .17 | | | | T. | | .51 | .63 | .43 | T. | | | .17 | .73 | .51 | | | 3.15 | |
| Somerset | Connecticut | | | | | | | | | .01 | T. | | | T. | | .20 | .02 | .10 | .09 | | T. | .85 | .60 | 1.16 | .07 | .06 | .26 | .88 | .52 | | | | 4.83 | |
| St. Johnsbury | do | | T. | | | | | | | T. | | | | T. | .13 | .28 | | .09 | .18 | | | .46 | .54 | .47 | .02 | | | T. | .25 | .94 | | T. | 3.36 | |
| Vernon | do | | | | | | | | | | | | | .01 | | .17 | | | | | | .20 | 1.15 | .86 | | | | | .88 | | | 3.43 | | |
| Woodstock | do | | | | | | | | | | | | | | | .45 | | .17 | | | | .68 | | 1.42 | | | | * | 1.58 | | | 4.30 | | |
| Massachusetts. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amherst | Connecticut | | | | | .12 | | | .02 | | | | | .04 | | .04 | .36 | | T. | | | .10 | .42 | 1.45 | .85 | .02 | | .17 | 1.34 | .01 | | | 4.94 | |
| Ashland | Merrimack | | | | | .06 | | | .02 | | | | | | | .31 | | | | | | | * | * | 2.82 | .03 | | * | .66 | .02 | | | 3.92 | |
| Bakers Bridge | do | | | | | | T. | | | | | | | T. | | .70 | | | | | | | .62 | 1.72 | .17 | | | | .81 | | | 4.02 | | |
| Bedford | do | | | | | | | | T. | | | | | T. | | .25 | | | | | | | .28 | 1.72 | .70 | .31 | | T. | .35 | .59 | | | 4.22 | |
| Blue Hill | Coast | T. | | | | | | .10 | | .01 | | | | | | .33 | | | | .02 | | T. | .38 | 1.16 | .69 | .24 | | T. | .06 | .84 | | T. | 2.85 | |
| Boston | do | | | | | | | | | .01 | | | | T. | | .47 | | | | | | T. | .56 | 1.09 | .27 | .07 | | T. | .63 | .16 | | | 3.22 | |
| Chestnut Hill | do | | | | | | | | | .04 | | | | | | .17 | | | | | | | .42 | 1.27 | .14 | | | * | .78 | .04 | | | 3.46 | |
| Clinton | Merrimack | | | .01 | | .01 | | | | .01 | | | | .27 | | .27 | | | | | | T. | .37 | | | | | | | 1.16 | | | 4.00 | |
| Concord | do | | | | | | T. | | | | | | | T. | | .30 | | | | | | T. | .25 | 1.05 | 1.02 | .37 | | T. | .10 | .77 | | | 3.87 | |
| Fall River | Coast | | | | | | | | | T. | | | | T. | | .25 | | | | .02 | | T. | .05 | .35 | .69 | .10 | | | .30 | .25 | | | 2.01 | |
| Fitchburg | Merrimack | T. | | | | | | | | T. | | | | T. | | .17 | | T. | | | | T. | .33 | 1.12 | .55 | .17 | | T. | .32 | .62 | | | 3.28 | |
| Framingham | do | | | | | | .03 | | | T. | | | | T. | | .32 | | | | | | | * | | | | | | .75 | .01 | | | 3.79 | |
| Haverhill | do | | | | | | | | | T. | | | | T. | | .29 | | | | | | T. | .23 | .55 | .97 | .28 | .04 | | | .04 | 1.08 | | | 3.48 |
| Hingham | Coast | | | | | T. | | | | T. | | | | T. | | .33 | | | | | | T. | .40 | .62 | .14 | T. | | | * | .81 | T. | | 2.30 | |
| Hyannis | do | | | | | | | | | T. | | | | T. | | .23 | | | | | | * | .33 | | 1.15 | | | | * | .38 | | | 2.12 | |
| Jefferson | Merrimack | | | | | .09 | | | | .03 | | | | | | .34 | | | | | | * | * | * | 2.54 | | | | * | .78 | | | 4.06 | |
| Lake Cochituate | do | | | | | | | | | | | | | T. | | .38 | | | | | | * | * | * | 1.54 | 1.03 | | | | 1.14 | | | 4.21 | |
| Lawrence | do | | | | | | T. | | | T. | | | | T. | | .27 | | | | .03 | | | .20 | * | 1.09 | .50 | .17 | | | .93 | .27 | | 3.58 | |
| Leominster | do | | | | | | | | | T. | | | | T. | | .24 | | | | | | * | * | * | 1.71 | .35 | | T. | .16 | .02 | | | 3.49 | |
| Lowell | do | | | | | | | | | | | | | T. | | .23 | | | | .02 | | | * | * | * | | | | | | | | 3.49 | |
| Middleboro | Coast | | | | | | | | | .06 | | | | | | .39 | | | | | | .03 | .17 | .20 | .48 | .09 | | | | .15 | .11 | | 1.68 | |
| Nantucket | do | | | | | | .02 | | | T. | | | | | | .02 | | | | | | T. | .07 | .28 | .87 | T. | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 1—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|---------------------|-------------|---------------|---|---|----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|------|------|------|-----|-----|------|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Pennsylvania—Con. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coatesville..... | Coast. | | | | | | | | | | | | | | .11 | | .21 | .50 | | | | | .09 | 1.56 | 1.07 | .42 | .05 | .06 | .22 | .66 | | .05 | .01 | 5.01 |
| Doylestown..... | Schuylkill. | | | | | | | | | | | | | | | | .40 | | | | | | | .50 | 1.75 | .58 | | .08 | | .74 | | | | 4.05 |
| Drifton..... | Susqu'anna | | | | | | | | | | | | | | | .30 | | | | | | | .40 | .30 | .70 | .75 | | | .50 | .30 | | | | 3.25 |
| Emporium..... | do. | | | | | | T. | | | T. | | | | T. | | | | | | | | | .40 | .30 | .70 | .75 | | | .50 | .30 | | | | 4.10 |
| Ephrata..... | do. | | | | | | | | | | | | | | .11 | | .03 | .05 | T. | | | | .03 | .68 | 1.14 | .64 | .05 | | .40 | .11 | | | .03 | 3.27 |
| Everett..... | Juniata | | | | | | | | | | | | | | .23 | .18 | | | | .18 | | .28 | .31 | 1.25 | .10 | | 2.21 | .71 | | .52 | | | 5.97 | |
| Forks of Neshaminy | Delaware. | | | | | | | | | | | | | | | | .04 | | | | | | | | .29 | | | | | .15 | | | 0.48 | |
| George School..... | do. | | | | | | | | | | | | | | | | .31 | | | | | .08 | .42 | 1.63 | .54 | | .08 | .63 | | | | | 3.69 | |
| Gettysburg..... | Potomac | | | | | | | | | | | | | | .04 | .08 | .18 | .28 | | | | .02 | .18 | 1.04 | .30 | | | .70 | .27 | | .31 | .10 | 3.63 | |
| Girardville..... | Susqu'anna | | | | | | | | T. | | | | | T. | | | | | | | | .05 | T. | 1.60 | .22 | .03 | | .84 | .33 | | | | 3.27 | |
| Gordon..... | do. | | | | | | | | | | | | | T. | | .15 | | | | | | .06 | .01 | 1.13 | .78 | .04 | .11 | .98 | .38 | | | | 3.64 | |
| Hamburg..... | Schuylkill. | | | | | | | | | | | | | | | | | | | | | | | | | | 1.00 | .87 | | | | | 2.89 | |
| Hanover..... | Susqu'anna | | | | | | | | | | | | | | | .05 | .74 | .45 | | | | .08 | .02 | 1.30 | .51 | | .04 | .54 | .07 | | | .17 | 3.97 | |
| Harrisburg..... | do. | | | | | | T. | | | | | | | T. | .19 | .02 | .09 | .05 | T. | | | .13 | .01 | 1.31 | .01 | T. | .22 | .41 | .87 | | .02 | | 2.73 | |
| Huntingdon..... | Huntingdon. | | | | | | | | | | | | | | | .26 | .04 | | | | | .09 | .30 | .65 | .18 | | | 1.12 | 1.06 | | .02 | | 3.72 | |
| Hyndman..... | Potomac | | | | | | | | | | | | | | .27 | .40 | .20 | .12 | | | | .42 | .24 | 1.10 | .15 | | 2.95 | .20 | | .40 | | | 6.45 | |
| Kennett Square..... | Coast. | | | | | | | | | | | | | | .11 | | | | | | .19 | .30 | .74 | 1.34 | .05 | .12 | 1.05 | | | | | | 4.73 | |
| Lancaster..... | Susqu'anna | | | | | | | | | | | | | | .10 | | .72 | T. | | | | .09 | .02 | 1.55 | .66 | | .20 | .31 | T. | T. | | .07 | 3.72 | |
| Lansdale..... | Schuylkill. | | | | | | | | | | | | | | | | | | | | | .20 | .72 | 1.54 | .39 | | | 14 | 1.15 | | | | 4.14 | |
| Lawrenceville..... | Susqu'anna | | | | T. | T. | T. | | | | | | | | | | | | | | .05 | .10 | .85 | .35 | T. | | | .45 | 1.20 | | | | 3.00 | |
| Lebanon..... | do. | | | | | | | | | | | | | | | | | | | | | | .05 | .94 | .44 | | | .48 | .40 | | | | 2.46 | |
| Le Roy..... | do. | | | | T. | T. | .07 | | | .06 | T. | | | T. | .15 | .15 | .08 | | T. | | | .03 | .26 | 1.21 | .31 | .01 | | .99 | .70 | .01 | | | 3.88 | |
| Lewisburg..... | do. | | | | | | | .02 | | | | | | | | .26 | .01 | | | | | .25 | .11 | .89 | .12 | .03 | | .92 | .41 | | | | 3.02 | |
| Lloyd..... | do. | | | | | .20 | .15 | | | | | | | | | .30 | .20 | | | T. | | .02 | .35 | 1.36 | | .20 | | .04 | .50 | | | | 4.32 | |
| Lock Haven..... | do. | | | | T. | T. | | | | T. | | | | T. | | .53 | | | | .09 | | .20 | .50 | .78 | .16 | T. | | .60 | .68 | | T. | | 3.54 | |
| Marion..... | Potomac | | | | | | | | | | | | | | .07 | .13 | .40 | .12 | | | | .41 | .12 | .93 | .26 | | | .84 | .47 | .97 | | | 4.72 | |
| Mauch Chunk..... | Lehigh. | | | | | .11 | | | | | | | | | .11 | T. | T. | T. | | | | .04 | | 1.62 | .17 | | | .34 | .46 | | | | 2.85 | |
| Mifflintown..... | Juniata | | | | | | | | | | | | | | .19 | .05 | | | | | | .29 | .10 | .99 | .21 | | | 1.14 | .62 | | T. | .05 | 3.64 | |
| Milford..... | Delaware. | | | | | .45 | | | | | | | | | | | .01 | | | | | .08 | .01 | 1.37 | .56 | | | .17 | .59 | | | | 3.42 | |
| Montrose..... | Susqu'anna | | | | | .04 | | | | | | | | | | .10 | | | .08 | | | .12 | .42 | .85 | .45 | .02 | | .35 | .56 | | | | 2.99 | |
| Mountain House..... | Juniata | | | | | | | | | | | | | | .04 | .16 | .45 | | | | .50 | .07 | 1.25 | .22 | | | 1.52 | 1.58 | | .33 | .18 | 6.30 | | |
| Mount Gretna..... | Susqu'anna | | | | | | | | | | | | | T. | .15 | .03 | T. | .11 | T. | T. | | .01 | .06 | 1.00 | .56 | T. | | .56 | .26 | | .02 | .02 | 2.78 | |
| New Germantown..... | do. | | | | | | | | | | | | | | | .15 | .26 | | | | | .34 | 1.25 | .07 | | | 1.28 | 1.34 | | .10 | | 4.79 | | |
| Ottsville..... | Delaware. | | | | | | | | | | | | | | | .09 | | | | | | .45 | 1.09 | .39 | | .05 | .10 | .59 | | | | | 2.76 | |
| Philadelphia..... | do. | | | | | | | | | | | | | | .03 | T. | .14 | .37 | T. | | | .31 | .74 | 1.29 | .47 | T. | T. | 1.04 | 1.24 | | T. | | 4.63 | |
| Pocono Lake..... | do. | | | | | | | | | | | | | | .06 | | | | | | | | 1.65 | .26 | | | | .15 | .40 | | | | 3.52 | |
| Point Pleasant..... | do. | | | | | | | | | | | | | | | | | .13 | | | | .49 | .90 | .45 | | .08 | .13 | .68 | | | | | 2.86 | |
| Pottsville..... | Schuylkill. | | | | | | | | | | | | | | | .13 | | | | | | .05 | | 1.69 | .19 | .09 | | .80 | .38 | | | | 3.33 | |
| Reading..... | do. | | | | | | T. | | | | | | | T. | .03 | T. | | .03 | T. | | | .01 | .36 | 1.55 | .13 | .04 | T. | .45 | .25 | | | | 2.85 | |
| Renovo \|\| | Susqu'anna | | | | | .09 | .05 | | | | | | | T. | .15 | .22 | | .08 | | | | .01 | .30 | .37 | .58 | | T. | .59 | .83 | .05 | | | 3.31 | |
| Scranton..... | do. | | | | | | T. | | .01 | | | | | T. | | .01 | .01 | | T. | | | .07 | .32 | 1.08 | .01 | T. | | .17 | .59 | | | | 2.27 | |
| Seisholtzville..... | Schuylkill. | | | | | | | | | | | | | | | | | | | | | | .23 | 1.47 | .27 | | .10 | .30 | .41 | | | | 2.78 | |
| Selinsgrove..... | Susqu'anna | | | | | | | .07 | | | | | | | T. | .24 | | | | | | .25 | .04 | 1.12 | .22 | T. | .09 | .97 | .36 | | | | 3.36 | |
| Shawmont..... | Schuylkill. | | | | | | | | | | | | | | | | .04 | .33 | | | | .14 | .73 | 1.10 | .65 | | .10 | .65 | | | | | 3.74 | |
| Shippensburg \|\| | Susqu'anna | | | | | | | | | | | | | .02 | | | .21 | .59 | .10 | | | | .40 | 1.51 | 1.22 | | | .47 | .74 | .05 | | .20 | 4.15 | |
| Smiths Corners..... | Schuylkill. | | | | | | | | | | | | | | | | | | | | | .10 | .48 | .75 | .47 | | .33 | .59 | | | | | 2.85 | |
| Spring Mount..... | do. | | | | | | | | | | | | | | .01 | | .16 | | | | | | 1.01 | 1.10 | .48 | | .03 | .21 | .47 | | | | 2.56 | |
| State College..... | Susqu'anna | | | | T. | T. | .02 | | | | | | | | .16 | .27 | .32 | | T. | | | .05 | .35 | .78 | .02 | .20 | | .88 | 1.08 | | .10 | | 4.23 | |
| Stroudsburg..... | Delaware. | | | | | .02 | | | | | | | | | .03 | .01 | | | | | | .06 | .01 | .03 | .72 | | | .11 | .84 | | | | 2.94 | |
| Sunbury..... | Susqu'anna | | | | | | .06 | | | | | | | | .22 | T. | | | | | | .20 | .02 | .88 | .16 | .04 | T. | 1.01 | .31 | | | | 2.93 | |
| Towanda..... | do. | | | | | | | | | | | | | | | .04 | .07 | | T. | | | T. | .28 | 1.12 | .20 | .01 | | .82 | .50 | | | | 3.09 | |
| Welkert..... | do. | | | | | .15 | | | | .01 | | | | | .07 | .20 | | | | | | .26 | 1.15 | .68 | .16 | .10 | | 2.00 | .88 | | | | 4.65 | |
| Wellsboro..... | do. | | | | | .13 | .17 | | | | | | | | | .13 | .02 | | | | | .09 | .43 | .98 | .20 | | | .50 | .91 | | | | 3.56 | |
| West Chester..... | Coast. | | | | | | | | | | | | | | .01 | .10 | .01 | .38 | .33 | .01 | | .21 | 1.17 | 1.65 | .59 | | .05 | .11 | 1.21 | .01 | .02 | .01 | 5.87 | |
| Wilkes-Barre \|\| | Susqu'anna | | | | | | | | | | T. | | | | .02 | | T. | .06 | .24 | | | | .05 | .66 | 1.20 | T. | .02 | .22 | .12 | .34 | | | 3.09 | |
| Williamsport \|\| | do. | | | | | | | .06 | | T. | | | | | | T. | .24 | | .09 | | | | .20 | .69 | .66 | .12 | | .67 | .60 | .19 | | | 3.54 | |
| New Jersey. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Asbury Park..... | Coast. | | | | | | T. | | | | | | | T. | | T. | | .12 | .12 | | | .07 | .48 | 1.32 | .92 | .07 | .06 | .01 | .22 | .10 | | | 3.49 | |
| Atlantic City..... | do. | | | | | | | T. | | | | | | | .08 | | | | .75 | .08 | | .23 | .01 | .76 | 1.11 | | | .39 | | | .11 | | 3.52 | |
| Bayonne..... | do. | | | | | | | | | | | | | | | | .06 | .06 | .08 | .24 | | .03 | .33 | .62 | .88 | | | .15 | .51 | .04 | | | 3.00 | |
| Belvidere..... | Delaware. | | | | | | | | | | | | | | | | | | | | | .08 | .19 | 1.63 | .42 | | | .76 | | | | | 3.20 | |
| Bergen Point..... | Coast. | | | | | | T. | | | T. | | | | | | | | | | | | T. | .30 | .23 | 1.41 | | T. | .22 | .75 | .02 | | | 3.39 | |
| Boonton..... | Passaic. | | | | | | | | | | | | | | | | .01 | T. | | | | | .07 | 1.15 | .40 | | | .23 | .64 | | | | 2.65 | |
| Bridgeton..... | Cumberland | | | | | | | | | | | | | | | | .10 | .33 | .05 | | | .24 | .62 | | 1.15 | | | .38 | .47 | | | | 3.69 | |
| Burlington..... | Delaware. | | | | | | | | | | | | | | | T. | .10 | .33 | .45 | .05 | | .03 | .18 | .93 | 1.55 | .05 | .09 | .02 | .09 | .46 | | T. | 3.87 | |
| Cape May City..... | Coast. | | | | | | | T. | | | .03 | | | T. | .01 | .01 | T. | | | | | .03 | .04 | .50 | .76 | | | | .97 | | | T. | 3.33 | |
| Charlotteburg..... | Passaic. | | | | | | | | | | | | | | | | .12 | T. | .04 | | | .10 | | 1.83 | | | | .98 | | | | | 3.07 | |
| Chatham..... | do. | | | | | | | | | | T. | </ | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 1—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|-------------------------|-----------------|---------------|---|---|----|-----|-----|-----|-----|-----|-----|----|----|----|------|------|-----|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
| West Virginia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bayard..... | Potomac..... | | | | T. | | .24 | | | | T. | | | T. | 1.08 | .35 | .03 | .34 | | | | .58 | .46 | 1.18 | .18 | | T. | 1.07 | .53 | | 1.86 | T. | 7.90 | | |
| Burlington..... | do..... | | | | | | | | | | | | | | .43 | 1.00 | | .25 | | | | .40 | .35 | 1.45 | | | * | 2.10 | | | 1.10 | | 7.08 | | |
| Franklin..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harpers Ferry II..... | do..... | | | | | | | | | | | | | | .05 | .20 | .46 | .12 | .38 | | | | | | .81 | | | | .41 | .72 | | .12 | | 3.27 | |
| Lost City..... | do..... | | | | | | | | | | | | | | .63 | .70 | .03 | .93 | | | | .50 | | 1.27 | .30 | | .03 | .05 | | .77 | .10 | | 6.03 | | |
| Martinsburg..... | do..... | | | | | | | | | | | | | | .40 | .35 | | .50 | | | | .12 | .38 | * | .98 | | * | 1.05 | | .20 | | | 3.98 | | |
| Moorefield..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Romney II..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upper Tract..... | do..... | | | | | | | .08 | | | | | | | .82 | .20 | .10 | .20 | .08 | | | | | 1.50 | .10 | | | .60 | | | .80 | .50 | | 4.98 | |
| Maryland. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Annapolis..... | Coast..... | | | | | | | | | | .10 | | | | .20 | .38 | | | | | | | .38 | 2.00 | .73 | | | | .08 | | T. | T. | 3.87 | | |
| Baltimore..... | do..... | | | | | | | | | | T. | | | | .11 | T. | .04 | .32 | | | | | .46 | .04 | 1.58 | .42 | | .02 | .01 | .11 | | .01 | | 3.12 | |
| Cambridge..... | do..... | | | | | | .07 | | | | | | | | .09 | | | .41 | .11 | | | | .35 | .40 | 1.12 | .98 | | | | .25 | | | | 3.78 | |
| Cheltenham..... | do..... | | | | | | | | | | | | | | .30 | .05 | | .35 | .04 | .05 | | | 1.10 | 2.20 | 1.20 | | | | .45 | .28 | | | | 6.07 | |
| Chestertown..... | do..... | | | | | | | | | | .05 | | | | T. | | | .61 | T. | | | | | .93 | 1.08 | 1.18 | | | T. | .08 | | T. | | 3.88 | |
| Cheswille..... | Potomac..... | | | | | | T. | | | T. | | | | | .19 | .22 | T. | .28 | | | | .10 | .56 | 1.04 | | | | | .29 | .16 | | .14 | | 2.98 | |
| Clear Spring..... | do..... | | | | | | | | | | | | | | .42 | .43 | .05 | | | | | .05 | .20 | .40 | 1.13 | | | | .83 | 1.28 | .02 | | .41 | | 5.22 |
| Coleman..... | do..... | | | | | | | | | | | | | | T. | T. | T. | .20 | | | | | 1.28 | .67 | 1.30 | | | | | | | .08 | | 3.53 | |
| College Park..... | do..... | | | | | | | T. | | | .03 | | | | .18 | .12 | | .60 | .34 | | | | .26 | .51 | 2.23 | | | | .04 | .47 | | T. | .04 | 4.82 | |
| Cumberland..... | do..... | | | | | | | | | | | | | | .44 | .12 | .13 | .40 | | | | .41 | .11 | 1.15 | .65 | | 1.96 | .40 | | | | .30 | | 6.07 | |
| Darlington..... | Coast..... | | | | | | | | | | | | | | T. | T. | .40 | .38 | T. | | | .22 | .78 | 1.62 | .75 | | T. | T. | .25 | | T. | .13 | 4.53 | | |
| Denton..... | do..... | | | | | | | | | | | | | | .11 | .08 | | .218 | .06 | | | | .26 | .56 | 1.95 | | | | .25 | | | | | 5.45 | |
| Easton..... | do..... | | | | | | | | | | | | | | .17 | | | 1.41 | .03 | .03 | | | .30 | .88 | 1.73 | | | | .12 | | .02 | | | 4.69 | |
| Emmitsburg..... | Potomac..... | | | | | | | | | | | | | | | .22 | .11 | .50 | .30 | | | | .25 | .50 | | | | 1.00 | .35 | | .30 | | | 3.53 | |
| Fallston..... | Coast..... | | | | | | T. | T. | | | | | | | .03 | T. | .08 | .21 | .01 | | | | .13 | 1.32 | 1.04 | .63 | | .07 | .18 | | .01 | .26 | | 3.97 | |
| Frederick..... | Potomac..... | | | | | | T. | | | | | | | | .25 | .34 | .01 | .48 | | | | .01 | .26 | .61 | .39 | | | .44 | .50 | | .14 | T. | | 3.43 | |
| Frostburg..... | do..... | | | | | | | | | | | | | | .53 | .43 | .02 | .50 | | | | .51 | .40 | 1.00 | .10 | | .13 | 1.73 | .20 | .68 | .01 | | 6.24 | | |
| Green Sp'g Furnace..... | do..... | | | | | | | | | | | | | | .21 | .30 | .06 | .32 | | | | .18 | .30 | 1.11 | .30 | | | 1.20 | 1.07 | | .50 | | | 5.55 | |
| Keedysville..... | do..... | | | | | | | | | | | | | | .27 | .26 | .14 | .41 | .05 | | | .06 | .58 | .78 | .29 | | T. | .53 | .24 | | .21 | | | 3.82 | |
| Lake Montebello..... | Coast..... | | | | | | | | | | | | | | .03 | T. | .03 | * | .32 | | | T. | .69 | 1.45 | T. | | | .01 | T. | | .02 | | | 2.55 | |
| Laurel..... | do..... | | | | | | | | | | .02 | | | | .25 | .02 | .03 | .80 | .02 | | | | 1.60 | 1.40 | 1.05 | | | .20 | .50 | .02 | .03 | | | 5.94 | |
| Leonardtown..... | do..... | | | | | | | | | | | | | | .20 | | .07 | .73 | | .11 | | | .17 | .32 | 1.65 | | | | .35 | | | | | 3.60 | |
| Monrovia..... | Potomac..... | | | | | | | | | | | | | | .28 | .15 | | .78 | | | | T. | .40 | .80 | .71 | | | .35 | .16 | | .40 | | | 4.03 | |
| Pocomoke City..... | Coast..... | | | | | | | | | | | | | | .06 | T. | | .23 | .16 | | | | | | .81 | | | | .92 | | | | | 2.18 | |
| Princess Anne..... | do..... | | | | | | | | | | | | | | .07 | | .03 | .37 | .33 | | | | .14 | T. | .90 | | | T. | 1.08 | | | | | 2.92 | |
| Rockville..... | Potomac..... | | | | | | | | | .57 | | | | | .33 | | | 1.37 | | | | | .83 | * | 2.20 | | | | .32 | | | | .04 | 5.66 | |
| Salisbury..... | Coast..... | | | | | | | | | | | | | | .17 | | | .37 | .03 | | .01 | | | .08 | 1.10 | | | .40 | .02 | | T. | | | 2.18 | |
| Solomons..... | do..... | | | | | | | T. | | | | | | | .09 | | .04 | .59 | | | | .06 | .30 | .28 | 1.24 | | | T. | .23 | | .02 | | | 2.85 | |
| State Sanatorium..... | Potomac..... | | | | | | | | | | | | | | .01 | .03 | .08 | .31 | .02 | | | | .43 | .88 | .58 | | | .02 | .16 | | | .14 | | 2.66 | |
| Sudlersville..... | Coast..... | | | | | | | | | | | | | | .01 | .32 | .06 | | .80 | | | | .21 | .25 | 2.35 | | | .08 | .09 | | | .14 | | 4.38 | |
| Takoma Park..... | do..... | | | | | | | | | .08 | | | | | .07 | .02 | .11 | .27 | .02 | | | | .46 | 1.30 | .60 | | | .07 | .07 | | T. | | | 2.99 | |
| Towson..... | do..... | | | | | | | | | | | | | | .02 | | .05 | .24 | | | | .04 | .92 | 2.03 | .38 | | | | .10 | | | | | 3.78 | |
| Van Bibber..... | Potomac..... | | | | | | | | | | | | | | .80 | .75 | .06 | .68 | .02 | | | .55 | .42 | 1.10 | | | 1.50 | .06 | | 1.75 | | | | 7.94 | |
| Western Port..... | do..... | | | | | | | | | | | | | | | | .28 | .26 | .02 | | | | .43 | 1.25 | | | .90 | .32 | | | | | | 3.46 | |
| Westminster..... | Coast..... | | | | | | | | | | | | | | .16 | | .02 | .28 | | | | T. | .35 | .75 | .78 | | | .35 | .13 | | .05 | | | 2.87 | |
| Woodstock..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delaware. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delaware City..... | Coast..... | | | | | | | T. | | | | | | T. | T. | T. | T. | .20 | .35 | | | T. | 1.26 | 0.72 | .60 | | T. | T. | .74 | | T. | .79 | 4.75 | | |
| Dover..... | do..... | | | | | | | T. | | | | | | T. | .05 | T. | .05 | .84 | | | | .70 | .25 | .15 | 1.85 | | | | .70 | | .02 | .07 | | 4.68 | |
| Millford..... | do..... | | | | | | | | | | | | | | .02 | | .02 | 1.03 | .10 | | | | .17 | .07 | 3.04 | | | | .29 | | | | | 4.74 | |
| Millsboro..... | do..... | | | | | | | | | | | | | | | | .20 | .90 | | | | | .25 | | 1.05 | | | | .78 | | | | | 3.18 | |
| Seaford..... | do..... | | | | | .01 | | | | | | | | | .12 | T. | .58 | .04 | | | | | .22 | .20 | 1.80 | | | | .41 | | | | | 3.38 | |
| Wilmington..... | do..... | | | | | | | | | | | | | | | .62 | .48 | | | | | .69 | .74 | .50 | 1.30 | | | | .10 | 1.25 | | .10 | | 5.78 | |
| District of Columbia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washington..... | Coast..... | | | | | | T. | | .02 | | | | | | .29 | T. | T. | 1.04 | | | | .13 | .02 | 2.34 | .42 | | .01 | .09 | .14 | | .05 | | | 4.55 | |
| Virginia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Culpeper..... | Rap'han'k..... | | | | | | | | | | | | | | .16 | * | .16 | .40 | | | | .16 | | 4.00 | | | | .67 | | | .50 | | | 6.05 | |
| Dale Enterprise..... | Shenandoah..... | | | | | | .06 | | | | .01 | | | | .22 | .20 | .02 | .41 | | | | .12 | | 1.92 | | | | .50 | | | | 1.00 | | 4.46 | |
| Eastville..... | Coast..... | | | | | | .03 | | | .10 | .02 | | | | .50 | | .18 | .52 | | | | .10 | .10 | | 1.27 | | | .10 | 1.55 | .30 | .60 | | | 6.27 | |
| Fredericksburg..... | Rap'han'k..... | | | | | | | | | | | | | | .20 | | .14 | .46 | | | | | .22 | .33 | 1.86 | | | | .14 | .42 | | .19 | .07 | 4.03 | |
| Lincoln..... | Potomac..... | | | | | | | | | | | | | | .74 | .09 | | .98 | | | | | .12 | | 1.65 | | | .25 | .95 | | .51 | | | 5.29 | |
| Mount Weather..... | do..... | | | | | | T. | | | .02 | | | | | .01 | .80 | T. | .37 | | | | | .10 | .01 | 1.80 | .07 | | .34 | 1.16 | .02 | | .25 | | 4.62 | |
| Quantico..... | do..... | | | | | | | | | | | | | | .03 | .05 | .02 | .42 | | | | 2.37 | .53 | * | 4.97 | | | T. | .11 | | T. | | | 8.45 | |
| Staunton..... | Shenandoah..... | | | | | .04 | .04 | | | | .01 | | | | .05 | .07 | * | .47 | | | | T. | .08 | * | .47 | 1.05 | | | .31 | | | .99 | | | 3.58 |
| Sweetnam..... | Potomac..... | | | | | | | | | | | | | | .37 | | | .30 | .08 | | | | | .26 | 1.30 | 1.73 | | | .22 | .21 | | | | 4.47 | |
| Warsaw..... | Rap'han'k..... | | | | | | T. | | | | | | | | .03 | | .08 | .60 | | .10 | | | .10 | .32 | 1.15 | 1.60 | | | .36 | .45 | | | | 3.79 | |
| Winchester..... | Potomac..... | | | | | | | | | | | | | | . | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 1, North Atlantic States.

| Date. | Maine. | | | | | | | | | | | | Concord, N. H. | | Massachusetts. | | | | | | | | Provi- dence, R. I. | | Connecticut. | | | |
|--------|-----------|------|-------------|------|--------|------|-----------|------|-------------------|-------------------|-------------------|------|-------------------|------|----------------|------|---------|------|------------------|------|------------|------|---------------------------|------|----------------|------|-----------|------|
| | Eastport. | | Greenville. | | Orono. | | Portland. | | Presque Isle. | | Rumford Falls. | | | | Amherst. | | Boston. | | Middle- boro. | | Nantucket. | | | | Cream Hill. | | Hartford. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | |
| 1.... | 45 | 32 | 62 | 32 | 62 | 32 | 62 | 39 | 62 | 28 | 70 | 34 | 71 | 35 | 74 | 33 | 57 | 44 | 65 | 32 | 53 | 40 | 70 | 42 | 69 | 40 | 74 | 42 |
| 2.... | 55 | 33 | 77 | 34 | 69 | 32 | 56 | 40 | 62 | 29 | 78 | 40 | 87 | 38 | 88 | 44 | 66 | 46 | 70 | 34 | 58 | 40 | 56 | 45 | 82 | 54 | 88 | 50 |
| 3.... | 70 | 42 | 70 | 48 | 76 | 45 | 63 | 43 | 64 | 33 | 86 | 48 | 88 | 45 | 89 | 53 | 77 | 50 | 82 | 41 | 69 | 46 | 86 | 48 | 84 | 59 | 90 | 61 |
| 4.... | 51 | 39 | 67 | 40 | 76 | 40 | 50 | 42 | 68 | 45 | 68 | 46 | 67 | 45 | 76 | 54 | 53 | 48 | 73 | 47 | 59 | 44 | 67 | 48 | 70 | 58 | 74 | 55 |
| 5.... | 56 | 40 | 78 | 36 | 66 | 37 | 56 | 42 | 80 | 45 | 75 | 42 | 82 | 45 | 76 | 56 | 78 | 48 | 71 | 37 | 63 | 45 | 60 | 47 | 74 | 51 | 72 | 55 |
| 6.... | 58 | 41 | 83 | 42 | 78 | 40 | 64 | 44 | 87 | 48 | 83 | 47 | 86 | 46 | 87 | 52 | 77 | 53 | 74 | 47 | 62 | 45 | 65 | 50 | 84 | 62 | 86 | 52 |
| 7.... | 48 | 42 | 60 | 44 | 79 | 46 | 61 | 48 | 87 | 46 | 64 | 46 | 69 | 46 | 71 | 50 | 70 | 52 | 70 | 52 | 65 | 50 | 71 | 52 | 67 | 53 | 70 | 52 |
| 8.... | 55 | 38 | 53 | 30 | 70 | 33 | 56 | 40 | 57 | 29 | 60 | 34 | 64 | 39 | 68 | 38 | 56 | 47 | 58 | 38 | 52 | 42 | 62 | 45 | 65 | 43 | 66 | 44 |
| 9.... | 45 | 38 | 50 | 35 | 61 | 35 | 59 | 46 | 50 | 33 | 58 | 40 | 63 | 44 | 62 | 46 | 64 | 47 | 58 | 38 | 54 | 42 | 59 | 44 | 59 | 40 | 62 | 47 |
| 10.... | 42 | 34 | 40 | 28 | 55 | 35 | 48 | 39 | 45 | 30 | 40 | 36 | 45 | 37 | 49 | 32 | 50 | 39 | 57 | 34 | 51 | 39 | 48 | 36 | 42 | 31 | 49 | 36 |
| 11.... | 47 | 36 | 46 | 30 | 48 | 32 | 51 | 38 | 45 | 32 | 51 | 35 | 52 | 35 | 56 | 30 | 55 | 37 | 56 | 31 | 52 | 39 | 54 | 34 | 51 | 27 | 55 | 34 |
| 12.... | 55 | 39 | 56 | 34 | 61 | 32 | 61 | 39 | 57 | 30 | 60 | 33 | 62 | 29 | 65 | 31 | 64 | 42 | 60 | 31 | 56 | 45 | 62 | 40 | 61 | 31 | 63 | 41 |
| 13.... | 53 | 38 | 63 | 29 | 68 | 29 | 62 | 40 | 64 | 26 | 65 | 32 | 66 | 33 | 68 | 42 | 68 | 48 | 63 | 35 | 59 | 44 | 64 | 45 | 58 | 40 | 66 | 45 |
| 14.... | 51 | 35 | 52 | 38 | 66 | 47 | 63 | 47 | 63 | 38 | 56 | 42 | 63 | 41 | 69 | 46 | 71 | 49 | 71 | 46 | 68 | 48 | 70 | 50 | 65 | 45 | 68 | 50 |
| 15.... | 53 | 30 | 49 | 30 | 61 | 27 | 53 | 40 | 47 | 25 | 57 | 31 | 63 | 37 | 61 | 34 | 65 | 44 | 65 | 30 | 55 | 47 | 58 | 43 | 58 | 36 | 62 | 41 |
| 16.... | 48 | 33 | 53 | 30 | 58 | 26 | 46 | 38 | 59 | 22 | 42 | 36 | 53 | 38 | 51 | 43 | 55 | 41 | 53 | 43 | 61 | 45 | 52 | 42 | 63 | 42 | 52 | 45 |
| 17.... | 50 | 34 | 61 | 30 | 63 | 32 | 47 | 37 | 51 | 25 | 58 | 40 | 59 | 39 | 56 | 42 | 50 | 41 | 59 | 41 | 52 | 44 | 57 | 41 | 52 | 38 | 55 | 43 |
| 18.... | 48 | 36 | 49 | 33 | 55 | 28 | 51 | 39 | 50 | 35 | 53 | 36 | 58 | 41 | 60 | 46 | 52 | 46 | 63 | 39 | 54 | 44 | 63 | 44 | 58 | 42 | 66 | 47 |
| 19.... | 59 | 40 | 52 | 34 | 61 | 36 | 61 | 40 | 40 | 57 | 42 | 60 | 36 | 60 | 44 | 66 | 51 | 66 | 47 | 62 | 50 | 64 | 50 | 60 | 38 | 63 | 50 | 50 |
| 20.... | 57 | 42 | 48 | 38 | 62 | 42 | 61 | 46 | 42 | 32 | 56 | 43 | 64 | 43 | 67 | 37 | 66 | 47 | 66 | 36 | 62 | 48 | 65 | 45 | 65 | 44 | 67 | 45 |
| 21.... | 57 | 39 | 62 | 33 | 65 | 33 | 59 | 46 | 42 | 32 | 68 | 35 | 66 | 37 | 65 | 37 | 62 | 51 | 70 | 36 | 64 | 49 | 67 | 46 | 62 | 41 | 69 | 45 |
| 22.... | 48 | 40 | 54 | 41 | 65 | 45 | 50 | 45 | 42 | 32 | 52 | 48 | 52 | 47 | 57 | 49 | 57 | 50 | 67 | 48 | 60 | 49 | 64 | 49 | 61 | 44 | 61 | 50 |
| 23.... | 47 | 40 | 60 | 41 | 56 | 44 | 55 | 44 | 50 | 42 | 64 | 48 | 62 | 48 | 64 | 54 | 59 | 48 | 65 | 52 | 60 | 55 | 65 | 55 | 62 | 53 | 66 | 58 |
| 24.... | 49 | 43 | 57 | 45 | 59 | 49 | 59 | 46 | 57 | 45 | 57 | 53 | 60 | 49 | 64 | 55 | 58 | 52 | 59 | 51 | 62 | 49 | 58 | 53 | 63 | 50 | 66 | 56 |
| 25.... | 55 | 40 | 62 | 45 | 63 | 44 | 57 | 46 | 67 | 41 | 65 | 50 | 67 | 47 | 70 | 50 | 62 | 48 | 72 | 49 | 57 | 49 | 71 | 52 | 70 | 45 | 73 | 53 |
| 26.... | 45 | 42 | 57 | 43 | 64 | 46 | 60 | 45 | 64 | 45 | 60 | 44 | 65 | 43 | 70 | 41 | 62 | 50 | 68 | 43 | 60 | 49 | 66 | 48 | 63 | 38 | 68 | 47 |
| 27.... | 55 | 43 | 61 | 32 | 59 | 41 | 46 | 43 | 64 | 36 | 60 | 39 | 56 | 40 | 56 | 46 | 58 | 48 | 64 | 37 | 53 | 46 | 65 | 47 | 57 | 41 | 60 | 50 |
| 28.... | 51 | 44 | 51 | 41 | 57 | 44 | 50 | 43 | 62 | 46 | 54 | 46 | 54 | 45 | 54 | 49 | 52 | 46 | 56 | 45 | 57 | 46 | 53 | 46 | 59 | 43 | 54 | 49 |
| 29.... | 52 | 45 | 52 | 46 | 60 | 51 | 60 | 49 | 57 | 50 | 58 | 50 | 61 | 50 | 62 | 49 | 65 | 51 | 66 | 49 | 60 | 50 | 65 | 50 | 62 | 45 | 66 | 50 |
| 30.... | 60 | 46 | 56 | 44 | 60 | 47 | 67 | 50 | 55 | 44 | 64 | 49 | 72 | 49 | 74 | 46 | 75 | 51 | 72 | 47 | 63 | 52 | 72 | 50 | 70 | 42 | 74 | 50 |
| 31.... | 61 | 44 | 65 | 40 | 65 | 39 | 72 | 51 | 58 | 37 | 66 | 50 | 73 | 43 | 76 | 44 | 76 | 56 | 78 | 40 | 74 | 50 | 78 | 53 | 73 | 47 | 76 | 51 |
| Mns.. | 52.5 | 39.0 | 58.3 | 37.0 | 63.5 | 38.0 | 57.0 | 43.1 | 60.8 ^d | 36.5 ^e | 61.5 | 41.8 | 64.8 | 41.6 | 66.6 | 44.3 | 62.8 | 47.5 | 65.7 | 41.2 | 59.3 | 46.2 | 63.8 | 46.5 | 64.2 | 44.0 | 67.1 | 48.2 |

| Date. | New York. | | | | | | | | | | | | Pennsylvania. | | | | | | | | | | Atlantic City, N. J. | | | | | |
|--------|---------------------|------|----------|------|---------|------|------------------|------|-----------------|------|------------------|------|---------------|------|----------|------|------------------|------|--------------------|------|-----------|------|-------------------------|------|-------------------|------|------------|------|
| | New Haven, Conn. | | Addison. | | Albany. | | Bingham- ton. | | Indian Lake. | | Little Falls. | | New York. | | Everett. | | Harris- burg. | | Philadel- phia. | | Scranton. | | | | State College. | | Wellsboro. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 74 | 46 | 80 | 33 | 74 | 43 | 75 | 36 | 71 | 30 | 70 | 39 | 76 | 46 | 77 | 38 | 78 | 47 | 78 | 50 | 76 | 41 | 78 | 44 | 79 | 33 | 75 | 44 |
| 2.... | 86 | 50 | 85 | 45 | 86 | 55 | 81 | 48 | 80 | 45 | 79 | 54 | 87 | 66 | 83 | 42 | 88 | 58 | 87 | 64 | 83 | 55 | 83 | 57 | 84 | 37 | 85 | 57 |
| 3.... | 90 | 52 | 91 | 41 | 89 | 54 | 86 | 48 | 83 | 39 | 84 | 56 | 88 | 68 | 88 | 42 | 88 | 56 | 90 | 69 | 85 | 52 | 86 | 52 | 87 | 39 | 89 | 62 |
| 4.... | 70 | 54 | 91 | 47 | 84 | 55 | 88 | 52 | 85 | 35 | 90 | 54 | 76 | 58 | 89 | 47 | 88 | 59 | 88 | 57 | 90 | 58 | 87 | 55 | 89 | 45 | 76 | 54 |
| 5.... | 65 | 52 | 89 | 53 | 79 | 60 | 84 | 61 | 86 | 47 | 85 | 53 | 69 | 54 | 88 | 48 | 78 | 56 | 81 | 55 | 86 | 57 | 86 | 61 | 84 | 55 | 66 | 54 |
| 6.... | 72 | 52 | 85 | 50 | 84 | 62 | 85 | 55 | 82 | 42 | 81 | 60 | 81 | 60 | 85 | 53 | 83 | 61 | 87 | 60 | 84 | 59 | 79 | 60 | 82 | 51 | 69 | 55 |
| 7.... | 72 | 54 | 65 | 44 | 65 | 50 | 56 | 42 | 75 | 45 | 63 | 52 | 71 | 54 | 67 | 55 | 68 | 53 | 72 | 56 | 62 | 46 | 68 | 50 | 61 | 44 | 70 | 56 |
| 8.... | 66 | 46 | 70 | 31 | 64 | 42 | 65 | 33 | 62 | 23 | 63 | 32 | 64 | 51 | 66 | 50 | 68 | 47 | 68 | 50 | 69 | 40 | 68 | 35 | 69 | 30 | 57 | 49 |
| 9.... | 62 | 48 | 65 | 43 | 62 | 45 | 58 | 38 | 59 | 42 | 56 | 44 | 65 | 49 | 65 | 49 | 67 | 52 | 71 | 50 | 61 | 43 | 61 | 51 | 64 | 46 | 72 | 53 |
| 10.... | 51 | 36 | 50 | 30 | 48 | 37 | 40 | 34 | 48 | 27 | 44 | 33 | 53 | 39 | 64 | 29 | 54 | 40 | 54 | 40 | 43 | 36 | 53 | 32 | 50 | 30 | 59 | 40 |
| 11.... | 56 | 35 | 60 | 25 | 56 | 34 | 47 | 32 | 48 | 26 | 50 | 34 | 55 | 36 | 55 | 28 | 57 | 38 | 56 | 39 | 50 | 34 | 53 | 32 | 52 | 29 | 57 | 34 |
| 12.... | 65 | 42 | 67 | 26 | 66 | 35 | 60 | 30 | 61 | 20 | 62 | 33 | 65 | 42 | 65 | 27 | 64 | 39 | 65 | 43 | 61 | 33 | 63 | 34 | 64 | 25 | 60 | 38 |
| 13.... | 64 | 47 | 74 | 44 | 67 | 45 | 70 | 46 | 60 | 31 | 58 | 42 | 66 | 49 | 70 | 30 | 77 | 50 | 73 | 50 | 73 | 47 | 72 | 47 | 75 | 42 | 62 | 53 |
| 14.... | 70 | 51 | 65 | 42 | 69 | 48 | 60 | 40 | 59 | 44 | 60 | 40 | 71 | 54 | 75 | 35 | 70 | 53 | 72 | 58 | 63 | 49 | 67 | 47 | 65 | 41 | 71 | 54 |
| 15.... | 59 | 44 | 65 | 34 | 57 | 39 | 59 | 34 | 61 | 17 | 55 | 32 | 60 | 51 | 66 | 48 | 64 | 49 | 70 | 52 | 62 | 40 | 69 | 42 | 59 | 37 | 59 | 53 |
| 16.... | 62 | 47 | 81 | 50 | 70 | 48 | 74 | 50 | 54 | 38 | 65 | 43 | 78 | 53 | 77 | 46 | 78 | 56 | 83 | 61 | 78 | 56 | 76 | 52 | 80 | 51 | 84 | 56 |
| 17.... | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 1—Continued.

| Date. | New Jersey. | | | | | | | | Martins- burg, W. Va. | Maryland. | | | | | | | | Millsboro, Del. | | Washing- ton, D. C. | | Virginia. | | | | | | |
|---------|-------------|------|--------------------|------|---------|------|----------|------|-----------------------------|------------|------|------------------|------|------------|------|-------------------|------|--------------------|------|------------------------|------|----------------------|------|-----------|------|-----------------|------|------|
| | Bridgeton. | | Phillips- burg. | | Sussex. | | Trenton. | | | Baltimore. | | Darling- ton. | | Frederick. | | Western- port. | | | | | | Fredericks- burg. | | Staunton. | | Wood- stock. | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | | |
| 1..... | 79 | 40 | 79 | 41 | 76 | 42 | 77 | 46 | 89 | 45 | 79 | 49 | 77 | 41 | 80 | 38 | 82 | 39 | 70 | 42 | 80 | 44 | 79 | 44 | 81 | 39 | 82 | 39 |
| 2..... | 88 | 53 | 88 | 55 | 87 | 59 | 87 | 59 | 93 | 42 | 88 | 65 | 86 | 55 | 89 | 46 | 91 | 44 | 82 | 53 | 87 | 52 | 87 | 44 | 88 | 46 | 89 | 43 |
| 3..... | 91 | 51 | 91 | 54 | 88 | 51 | 90 | 63 | 95 | 50 | 91 | 62 | 89 | 52 | 92 | 49 | 90 | 46 | 87 | 52 | 90 | 55 | 88 | 51 | 89 | 48 | 90 | 46 |
| 4..... | 91 | 54 | 84 | 53 | 88 | 51 | 79 | 54 | 95 | 54 | 89 | 62 | 89 | 54 | 92 | 51 | 90 | 51 | 88 | 56 | 90 | 55 | 90 | 52 | 89 | 51 | 90 | 50 |
| 5..... | 80 | 54 | 79 | 57 | 78 | 58 | 78 | 53 | 90 | 56 | 75 | 55 | 78 | 52 | 87 | 53 | 90 | 50 | 81 | 52 | 86 | 55 | 87 | 52 | 90 | 47 | 89 | 49 |
| 6..... | 89 | 54 | 90 | 55 | 87 | 55 | 88 | 60 | 85 | 57 | 85 | 60 | 84 | 52 | 86 | 55 | 81 | 58 | 84 | 55 | 84 | 54 | 86 | 53 | 81 | 58 | 85 | 56 |
| 7..... | 72 | 58 | 84 | 54 | 70 | 52 | 71 | 54 | 74 | 59 | 73 | 58 | 77 | 56 | 77 | 58 | 76 | 56 | 70 | 60 | 72 | 54 | 79 | 58 | 63 | 56 | 76 | 59 |
| 8..... | 73 | 46 | 63 | 50 | 69 | 38 | 68 | 48 | 77 | 44 | 69 | 50 | 69 | 45 | 73 | 42 | 78 | 38 | 64 | 51 | 73 | 46 | 71 | 47 | 73 | 40 | 75 | 37 |
| 9..... | 77 | 45 | 66 | 45 | 63 | 47 | 67 | 48 | 79 | 46 | 76 | 53 | 71 | 46 | 77 | 47 | 73 | 43 | 75 | 54 | 76 | 54 | 76 | 51 | 80 | 46 | 79 | 45 |
| 10..... | 64 | 44 | 62 | 38 | 56 | 36 | 53 | 38 | 59 | 41 | 63 | 43 | 64 | 41 | 65 | 43 | 61 | 36 | 64 | 48 | 60 | 42 | 72 | 58 | 67 | 45 | 69 | 43 |
| 11..... | 60 | 33 | 56 | 34 | 56 | 32 | 56 | 34 | 61 | 37 | 58 | 40 | 58 | 31 | 61 | 34 | 62 | 31 | 58 | 38 | 58 | 38 | 60 | 34 | 65 | 31 | 63 | 35 |
| 12..... | 69 | 33 | 68 | 33 | 65 | 32 | 64 | 38 | 70 | 33 | 66 | 44 | 66 | 33 | 67 | 30 | 70 | 30 | 65 | 34 | 68 | 37 | 67 | 34 | 70 | 31 | 70 | 30 |
| 13..... | 75 | 47 | 75 | 46 | 71 | 42 | 71 | 50 | 81 | 36 | 82 | 50 | 76 | 46 | 83 | 45 | 82 | 40 | 79 | 45 | 82 | 50 | 83 | 44 | 79 | 40 | 79 | 42 |
| 14..... | 70 | 53 | 73 | 52 | 71 | 49 | 72 | 55 | 63 | 50 | 67 | 57 | 74 | 52 | 74 | 54 | 71 | 50 | 66 | 54 | 63 | 55 | 77 | 54 | 72 | 56 | 66 | 52 |
| 15..... | 77 | 46 | 68 | 42 | 63 | 40 | 69 | 48 | 72 | 52 | 70 | 55 | 72 | 47 | 74 | 51 | 63 | 53 | 75 | 48 | 75 | 53 | 77 | 51 | 79 | 50 | 78 | 52 |
| 16..... | 85 | 57 | 83 | 51 | 82 | 50 | 81 | 52 | 85 | 52 | 82 | 59 | 84 | 59 | 84 | 55 | 77 | 53 | 84 | 62 | 80 | 60 | 81 | 57 | 78 | 59 | 78 | 56 |
| 17..... | 63 | 51 | 74 | 49 | 70 | 48 | 53 | 47 | 61 | 60 | 66 | 52 | 63 | 50 | 70 | 55 | 66 | 57 | 65 | 54 | 67 | 54 | 69 | 58 | 66 | 59 | 67 | 57 |
| 18..... | 75 | 48 | 73 | 46 | 70 | 46 | 69 | 46 | 80 | 51 | 70 | 52 | 71 | 47 | 78 | 51 | 80 | 55 | 70 | 51 | 77 | 52 | 77 | 53 | 81 | 55 | 81 | 54 |
| 19..... | 74 | 52 | 70 | 50 | 66 | 48 | 68 | 53 | 77 | 51 | 73 | 58 | 71 | 51 | 74 | 52 | 72 | 45 | 71 | 56 | 72 | 55 | 74 | 57 | 79 | 51 | 76 | 49 |
| 20..... | 70 | 43 | 69 | 39 | 72 | 35 | 68 | 45 | 72 | 46 | 67 | 55 | 69 | 42 | 70 | 46 | 74 | 42 | 65 | 50 | 70 | 53 | 71 | 56 | 76 | 51 | 72 | 49 |
| 21..... | 66 | 49 | 63 | 42 | 64 | 37 | 62 | 49 | 71 | 50 | 71 | 55 | 64 | 48 | 77 | 50 | 68 | 50 | 77 | 54 | 77 | 54 | 84 | 55 | 86 | 56 | 80 | 52 |
| 22..... | 84 | 58 | 75 | 53 | 68 | 66 | 79 | 54 | 81 | 54 | 82 | 63 | 77 | 57 | 84 | 63 | 70 | 60 | 80 | 65 | 82 | 65 | 83 | 65 | 79 | 65 | 79 | 61 |
| 23..... | 81 | 69 | 73 | 59 | 66 | 59 | 75 | 57 | 61 | 61 | 75 | 60 | 75 | 58 | 69 | 61 | 65 | 55 | 83 | 66 | 76 | 59 | 78 | 63 | 70 | 62 | 75 | 59 |
| 24..... | 75 | 57 | 67 | 55 | 65 | 54 | 65 | 55 | 70 | 54 | 70 | 58 | 67 | 54 | 70 | 55 | 62 | 52 | 73 | 59 | 68 | 56 | 66 | 55 | 66 | 52 | 66 | 54 |
| 25..... | 78 | 49 | 74 | 46 | 70 | 45 | 73 | 51 | 80 | 47 | 76 | 54 | 75 | 50 | 78 | 48 | 74 | 44 | 72 | 52 | 77 | 53 | 74 | 50 | 73 | 43 | 77 | 45 |
| 26..... | 75 | 55 | 73 | 49 | 72 | 45 | 71 | 53 | 79 | 53 | 72 | 59 | 71 | 51 | 74 | 54 | 76 | 49 | 69 | 56 | 73 | 60 | 75 | 58 | 75 | 55 | 77 | 55 |
| 27..... | 76 | 52 | 69 | 51 | 62 | 50 | 68 | 53 | 68 | 58 | 72 | 60 | 73 | 55 | 70 | 58 | 63 | 56 | 74 | 58 | 71 | 63 | 69 | 62 | 65 | 58 | 67 | 60 |
| 28..... | 66 | 57 | 58 | 49 | 54 | 49 | 56 | 51 | 78 | 59 | 67 | 58 | 66 | 57 | 71 | 59 | 73 | 55 | 70 | 58 | 69 | 57 | 69 | 58 | 75 | 56 | 72 | 58 |
| 29..... | 76 | 48 | 70 | 48 | 66 | 48 | 70 | 52 | 77 | 50 | 78 | 57 | 75 | 51 | 80 | 52 | 76 | 46 | 74 | 52 | 77 | 55 | 78 | 54 | 77 | 52 | 77 | 49 |
| 30..... | 78 | 45 | 77 | 45 | 75 | 46 | 73 | 50 | 77 | 55 | 73 | 57 | 70 | 45 | 73 | 50 | 77 | 58 | 77 | 48 | 75 | 57 | 80 | 58 | 83 | 60 | 81 | 59 |
| 31..... | 82 | 51 | 80 | 45 | 77 | 45 | 80 | 55 | 82 | 52 | 81 | 58 | 80 | 51 | 82 | 51 | 81 | 54 | 77 | 59 | 80 | 58 | 79 | 59 | 89 | 61 | 81 | 60 |
| Mean. | 73.4 | 50.1 | 73.4 | 47.9 | 70.5 | 46.6 | 71.0 | 50.7 | 76.8 | 50.2 | 74.4 | 55.4 | 73.4 | 49.3 | 76.8 | 50.2 | 74.6 | 48.3 | 73.8 | 53.0 | 75.3 | 53.4 | 77.0 | 53.1 | 76.9 | 50.9 | 77.0 | 50.2 |

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning, the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 2, SOUTH ATLANTIC AND EAST GULF STATES.

CHARLES F. VON HERRMANN, District Editor.

GENERAL SUMMARY.

The weather conditions, especially with reference to the element of temperature, were rather diversified in various portions of the district during May. For instance, although the warmest weather for the month occurred on the 3d to 5th in Virginia and North Carolina, in the remaining portions of the district the 30th and 31st were the warmest days, and in Alabama a warm spell occurred on the 19th, which was not felt at all in adjoining States. Again, a decided cool wave, with temperatures slightly below freezing as far south as eastern North Carolina overspread the northern portion of the district on the 11th and 12th, which was slightly felt in northern Georgia, while over most of the district the 1st was the coldest day, and in Mississippi and Alabama a marked cool spell occurred on the 24th and 25th. The average temperatures for the Mississippi area, Florida, and southern Georgia were slightly below normal; in the remainder of the district they were slightly above normal.

The drought that prevailed in several sections during the latter part of April continued during early May, hardly relieved by the scattered showers that fell during the first decade, until the more general rains set in about the middle of the month. The precipitation was generally below normal, except in the Virginia and Mississippi areas, the deficiencies slightly exceeding an inch in South Carolina, Georgia, and Alabama.

A few severe thunderstorms were reported during the month with hail and unusually high wind velocities.

High atmospheric pressure prevailed steadily from the 1st to the 15th, with the maximum for the district, 30.35 inches at Hatteras, N. C., on the 5th. During the remainder of the month the district came under the influence of several areas of low atmospheric pressure of moderate force, especially that central between Atlanta and Asheville on May 23, which extended on the following morning as a depression along the Atlantic coast from Jacksonville, Fla., to Eastport, Me., and the storm over eastern North Carolina on the 28th, which gave the lowest pressure for the month, 29.63 inches at Hatteras. The unusually severe local storms at Norfolk on the 30th and at Atlanta on the 31st appear to have had little to do with the distribution of pressure, but were caused by unstable atmospheric equilibrium due to intense heat.

TEMPERATURE.

The mean temperature for the district as a whole was 70.9°, or 0.2° below the normal, but this resulted from the fact that the deficiencies of over a degree in Florida and Mississippi slightly overbalanced the small excess for the month registered in other portions of the district. The monthly mean temperatures at individual stations generally ranged between 65° and 75°. The extremes were Key West, Fla., 77.8°, and Hot Springs, Va., 61.8°.

Over the southern portion of the district the 1st was generally the coldest day in the month, except that in Alabama and Mississippi a marked lowering of the temperatures occurred on the 24th and 25th. The remainder

of the first decade was comparatively warm, especially so in Virginia and the Carolinas, where the highest temperatures for the month were registered from the 3d to 5th. The succeeding change to cooler weather culminated on the 11th and 12th in the northern portion of the district, with temperatures of from 30° to 44°, making this period one of the coolest for May in the climatic history of Virginia and eastern North Carolina. The line of freezing temperature extended southeastward to the headwaters of the Roanoke and into eastern North Carolina. Light to heavy frosts, apparently without causing much damage, occurred on the 11th or 12th at numerous stations in Virginia and North Carolina, but the low temperatures retarded the growth of vegetables. No frosts occurred elsewhere in the district.

Another period of moderately cold weather prevailed from about the 23d to 26th, with the lowest temperatures for the month on the 24th in Alabama and Mississippi. The remainder of the month was warm and very high temperatures were general on the 30th and 31st, reaching 90° in all sections, and exceeding 100° in South Carolina, Georgia, and Florida. In Georgia previous records for high temperatures in May were broken at several stations. The maximum temperatures ranged from 102°, at Statesboro and Dublin, Ga., on the 30th or 31st, to 94° on the 3d, at Callaville, Va. The minimum temperatures were slightly below freezing on the 12th in Virginia and eastern North Carolina, with the lowest, 30°, at Lassiter, Va., but were generally not below 40° in other portions of the district.

PRECIPITATION.

The average rainfall for the district was 3.59 inches, which is 0.34 inch below the normal. The rainfall was below normal in all portions except western North Carolina and Virginia and the Mississippi areas, where there was a moderate excess. The largest amount for the month was 9.75 inches at Laurel, Miss. The total for the month exceeded 9 inches, also at Cochrane, Ala., Fort Lauderdale, Fla., and at Hampton, Va. The least amount occurred at Charleston, S. C., and Eastman, Ga., 0.19 inch.

As a rule, only light, scattered showers occurred during the first decade, but after the 15th the rainfall was more copious and general, the largest amounts occurring in the northern portions of the district on the 16th to 17th, 24th and 27th to 28th, and in the southern portions on the 21st to 24th. The maximum rainfall in 24 hours exceeded 2.50 inches at comparatively few stations. The greatest 24-hourly rainfall for the district was 5.20 inches at Cochrane, Ala., on the 21st-22d. The average number of days with appreciable rainfall was 7.

The drought that began about the middle of March continued in nearly all sections of Georgia until broken by the general rains of the 17-24th. Previous to the 17th no appreciable rainfall was recorded at Americus for 30 days, at Butler and Marshallville for 34 days, and at Valdosta for 48 days.

MISCELLANEOUS PHENOMENA.

The prevailing winds for May were from the southwest or west in all States in the district, except Mississippi and Florida, where they were respectively from the south and east. The wind movement was fairly high, the average hourly velocities exceeding 10 miles at Norfolk and Cape Henry, Va., Hatteras, N. C., Charleston, S. C., Atlanta and Savannah, Ga., and Pensacola and Sand Key, Fla. Velocities exceeding 40 miles an hour occurred as follows: Norfolk, Va., 62 miles, from the north, on the 30th; Cape Henry, 44 miles, northwest, on the 7th; Atlanta, 60 miles, northwest, on the 31st.

The average number of clear days for the district was 18, partly cloudy 7, cloudy 6, and rainy days 7.

The percentage of sunshine was fairly high at all stations, with a maximum of 84 per cent at Charleston, S. C., and a minimum of 64 per cent at Hatteras, N. C. The average number of hours of sunshine for the district was 318, which is 74 per cent of the possible amount.

SEVERE LOCAL STORMS.

Norfolk, Va.—A severe thunderstorm attended by violent gusts of wind occurred on the evening of May 30. The storm moved from north to south and the wind attained a maximum velocity of 62 miles an hour from the north at 6.12 p. m. Several manufacturing plants were badly damaged and over 60 small buildings in Berkley, South Norfolk, and along the river were more or less injured. The total damage is estimated at \$75,000.

South Carolina.—During the afternoon of May 27 a tornado caused considerable damage at Honea Path, Anderson County, S. C., but no one was killed.

On May 10, during a heavy rain and wind storm near James Island, hailstones as large as partridge eggs were reported to have fallen, causing considerable damage to trucking interests. Four people were drowned by the capsizing of a boat during the squall.

Serious damage to a cotton plantation on Wadmallow Island resulted from a hailstorm on the 28th in that vicinity.

Georgia.—Atlanta: A severe thunderstorm prevailed on the afternoon of May 31, which seems to have covered a very extended area. The remarkable feature about the storm at Atlanta was the duration of the high wind. For half an hour, from 3.55 to 4.25 p. m., the wind ranged from 50 to 60 miles an hour. Several large plate glass windows were shattered.

Similar severe storms occurred about the same time at West Point and Dublin, Ga. At Dublin lightning set fire to several houses, the largest one being the commissary of the Oconee Cotton Mills, which was burned to the ground; loss, \$2,000. The display of lightning was particularly impressive.

RIVER CONDITIONS.

Moderately high stages occurred in the James River on the 24th and 25th, with crest stages of 23.4 feet at Columbia, Va. (flood stage 18 feet) on the 24th, and of 12.5 feet at Richmond, Va., on the 25th (flood stage 10 feet).

The mean stages of the rivers in North Carolina were below the normal for May. A moderate flood occurred in the Roanoke on the 24th to 27th, the river rising to a maximum stage of 36.2 feet at Weldon, N. C., on the 27th (flood stage 30 feet). Warnings were issued and no damage to property resulted. Estimated loss by suspension of work about \$2,000. Cattle were driven out

of the lowlands without loss, resulting in a saving of about \$5,000.

The rivers in South Carolina, Georgia, and eastern Alabama did not attain flood stages at any point. In the Pedee River a sharp rise beginning on May 24th gave a stage of 22.2 feet at Cheraw, S. C., two days later, and the river continued above normal to the close of the month.

Low stages prevailed in the Tombigbee and Black Warrior Rivers until about May 23, when a rapid rise was reported as a result of the heavy rains that commenced May 21. A crest stage in the Black Warrior River at Tuscaloosa of 45.5 feet occurred at noon on May 24. The stage of the Tombigbee River at Demopolis was 30.8 feet on May 25, when warnings were issued for a rise above the flood stage in about 2 days. The crest stage was 35.4 feet at 5 p. m., May 27. Some of the lowlands on Black Warrior River below Tuscaloosa were flooded, with a probable loss to crops of about \$4,000, and a loss due to the suspension of farm labor of about \$200. A loss estimated at about \$500 was also sustained by the flooding of farms on the Tombigbee River below Demopolis.

The rivers in Mississippi located in district No. 2 were relatively low throughout the month, excepting the Chickasawhay River, which reached flood stage at Enterprise on the 24th and at Shubuta on the 26th, with crest stages of 18.6 and 25 feet, respectively. This together with a moderate rise in the Leaf brought the Pascagoula at Merrill up to 17 feet, or within 3 feet of flood stage on the 29th.

The West Pearl River at Pearl River, La., began to rise near the close of April and reached a stage of 13.8 feet on May 3, or 0.8 feet above flood stage. A second rise occurred on May 27 to 12.3 feet. No material damage resulted from the floods in Chickasawhay or Pearl Rivers.

SEVERE HAILSTORM ON JAMES ISLAND, S. C.

[By J. H. SCOTT, Local Forecaster, Charleston, S. C.]

A hailstorm of more than usual severity, accompanied by heavy thunder and high winds, visited James Island, a few miles south of Charleston, S. C., at about 4 p. m., May 10, 1913. The storm moved from west to east across the center of the island, bearing slightly to the north. The hailstones were small, being described as about the size of partridge eggs, but were sufficiently numerous to cover the ground in places to a depth of 3 or 4 inches. There was very little rain with the hail, and notwithstanding the fact that the afternoon was comparatively warm, it was several hours before all the hailstones were melted. In the region of greatest damage, which was about 1 mile in width and 3 miles in length, both the cotton and the truck crops suffered severely, necessitating replanting in some instances. Young beans were knocked from the vines and the bean leaves were riddled, while cucumber vines were cut in pieces. The plantations of H. H. Ficken, James Frampton, J. A. Lawton, and W. M. Frampton seem to have suffered most. The material damage is overshadowed, however, by the toll of human life taken by the storm. One man and 5 children, all negroes, were fishing from a small boat on the beach front when the storm struck, sweeping the boat rapidly off shore. The occupants, becoming frightened, jumped from the boat, and only 2 of them succeeded in their battle against the waves, the man and 3 children perishing. The father of the drowned children was in Charleston buying food and presents for them, and upon returning home was so stunned by the disaster to his family that fears for his life were entertained.

TABLE 1.—Climatological data for May, 1913. District No. 2, South Atlantic and east Gulf States.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | | Sky. | | | | | Observers. |
|---------------------|-----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|-----------------------|---------------------------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------------------|-----------------------------------|--|------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | |
| Virginia. | | | | | | | | | | | | | | | | | | | | | |
| Arvonla. | Buckingham. | 350 | 9 | 65.3 | - 0.3 | 91 | 4 | 34 | 12 | 42 | 5.45 | + 1.69 | 1.90 | 0 | 7 | 14 | 13 | 4 | Rev. Plummer F. Jones. | | |
| Ashland. | Hanover. | 221 | 22 | 65.2 | - 0.6 | 90 | 4 | 37 | 12 | 38 | 4.60 | + 0.31 | 3.20 | 0 | 7 | 12 | 15 | 4 | E. L. C. Scott. | | |
| Buchanan. | Botetourt. | 820 | 9 | | | | | | | | 7.38 | + 3.91 | 1.90 | 0 | 11 | | | | D. D. Booze. | | |
| Callaville. | Brunswick. | 250 | 19 | 66.9 | + 0.9 | 94 | 3 | 31 | 11 | 49 | 4.13 | + 0.14 | 1.66 | 0 | 9 | 18 | 12 | 1 | F. M. Gage. | | |
| Cape Henry. | Princess Anne. | 20 | 39 | 66.0 | + 1.8 | 88 | 16 | 43 | 12 | 30 | 3.90 | - 0.13 | 1.04 | 0 | 10 | 15 | 8 | 8 | U. S. Weather Bureau. | | |
| Catawba. | Roanoke. | 1,760 | 2 | 63.8 | | 87 | 4 | 34 | 11 | 35 | 6.17 | | 3.00 | 0 | 10 | 17 | 10 | 4 | State Board of Health Sanitarium. | | |
| Clarksville. | Mecklenburg. | 286 | 19 | | | | | | | | 3.81 | - 0.39 | 1.57 | 0 | 7 | | | | J. A. Ligon. | | |
| Columbia. | Fluvanna. | 246 | 15 | 62.6 | - 4.1 | 89 | 3 | 31 | 11 | 43 | 5.93 | + 1.83 | 2.00 | 0 | 7 | 19 | 3 | 9 | Chesapeake & Ohio Ry. Co. | | |
| Danville. | Pittsylvania. | 413 | 13 | | | | | | | | 4.42 | + 0.38 | 2.42 | 0 | 8 | | | | C. G. Watkins. | | |
| Diamond Springs. | Princess Anne. | 25 | 3 | 67.0 | | 92 | 6 | 36 | 12 | 37 | 7.06 | | 1.67 | 0 | 8 | 21 | 7 | 3 | Virginia Truck Exp. Sta. | | |
| Dry Bridge. | Chesterfield. | 325 | 2 | | | | | | | | 5.32 | | 2.40 | 0 | 8 | | | | Dr. E. W. Magruder. | | |
| Hampton. | Elizabeth City. | 5 | 30 | 67.6 | + 1.7 | 88 | 6 | 41 | 11 | 29 | 6.74 | + 2.93 | 2.00 | 0 | 7 | 21 | 9 | 1 | Normal & Agr. Inst. | | |
| Hot Springs. | Bath. | 2,195 | 21 | 61.8 | + 2.0 | 85 | 4 | 34 | 11 | 44 | 4.41 | + 0.40 | 0.85 | 0 | 13 | 17 | 9 | 5 | J. S. MacElveen. | | |
| Ivor. | Southampton. | 87 | 4 | 65.0 | | 92 | 6 | 31 | 11 | 46 | 7.60 | | 1.90 | 0 | 8 | | | | N. & W. Ry. Exp. Farm. | | |
| Lassiter. | Goochland. | 100 | 3 | | | | | | | | 5.84 | | 3.70 | 0 | 7 | 19 | 8 | 4 | T. J. Davis. | | |
| Lexington. | Rockbridge. | 1,060 | 36 | 62.0 | - 0.9 | 90 | 4 | 30 | 12 | 46 | 4.43 | + 0.69 | 1.47 | 0 | 14 | 19 | 5 | 7 | Virginia Military Institute | | |
| Lynchburg. | Campbell. | 685 | 42 | 66.0 | + 0.1 | 92 | 4 | 37 | 12 | 43 | 4.76 | + 0.77 | 2.27 | 0 | 12 | 12 | 15 | 4 | U. S. Weather Bureau. | | |
| Newport News. | Warwick. | 55 | 10 | 66.6 | | 89 | 16 | 38 | 12 | 31 | 5.60 | | 1.64 | 0 | 11 | 14 | 13 | 4 | C. W. Ashby. | | |
| Norfolk. | Norfolk. | 91 | 43 | 67.6 | + 1.4 | 92 | 6 | 44 | 11 | 33 | 4.31 | + 0.24 | 1.16 | 0 | 8 | 15 | 13 | 3 | U. S. Weather Bureau. | | |
| Petersburg. | Dinwiddie. | 60 | 26 | 68.6 | + 1.7 | 91 | 4 | 39 | 11 | 47 | 4.48 | - 0.13 | 1.29 | 0 | 9 | 21 | 4 | 6 | Walter Edward Harris. | | |
| Randolph. | Charlotte. | 334 | 9 | | | | | | | | 4.23 | | 2.14 | 0 | 8 | | | | W. J. Abbit. | | |
| Richmond. | Henrico. | 144 | 34 | 66.6 | - 0.4 | 92 | 3 | 38 | 11 | 40 | 4.80 | + 0.95 | 1.78 | 0 | 11 | 15 | 9 | 7 | U. S. Weather Bureau. | | |
| Roanoke. | Roanoke. | 907 | 3 | 64.2 | | 89 | 4 | 33 | 12 | 44 | 5.84 | | 1.96 | 0 | 13 | 19 | 6 | 6 | Reese F. Bell. | | |
| Rocky Mount. | Franklin. | 1,150 | 19 | 66.0 | + 0.6 | 92 | 4 | 33 | 12 | 45 | 6.77 | + 2.41 | 1.84 | 0 | 11 | | | | G. W. B. Hale. | | |
| Ruckersville. | Greene. | 625 | 2 | 64.8 | | 93 | 3 | 31 | 12 | 45 | 8.29 | | 3.65 | 0 | 11 | | | | Dr. Jesse Ewell. | | |
| Runnymede (near). | Surry. | 15 | 25 | 67.3 | + 1.5 | 93 | 3 | 32 | 12 | 43 | 7.76 | + 3.58 | 2.07 | 0 | 10 | 20 | 4 | 7 | B. W. Jones. | | |
| West Point. | King William. | 15 | 1 | 67.2 | | 92 | 3 | 37 | 12 | 40 | 4.71 | | 1.45 | 0 | 8 | 18 | 5 | 8 | C. L. Maskey. | | |
| Williamsburg. | James City. | 70 | 22 | 67.0 | + 1.6 | 91 | 6 | 35 | 12 | 41 | 7.10 | + 3.29 | 2.35 | 0 | 9 | 21 | 7 | 3 | Eastern State Hospital. | | |
| North Carolina. | | | | | | | | | | | | | | | | | | | | | |
| Albemarle. | Stanly. | 700 | 1 | 68.8 | | 93 | 4 | 37 | 12 | 50 | 4.53 | | 2.42 | 0 | 10 | 21 | 9 | 1 | M. J. Harris. | | |
| Beaufort. | Carteret. | 10 | 12 | 71.0 | + 1.4 | 87 | 2 | 49 | 12 | 29 | 3.51 | - 0.23 | 1.49 | 0 | 11 | 23 | 3 | 5 | Lewis Radcliffe. | | |
| Belhaven. | Beaufort. | 4 | 4 | 71.8 | | 96 | 3 | 37 | 12 | 42 | 3.51 | | 1.00 | 0 | 8 | 18 | 11 | 2 | A. L. Bell. | | |
| Brewers. | Wilkes. | 1,950 | 16 | 65.2 | - 0.2 | 92 | 2 | 33 | 11 | 50 | 8.72 | + 4.61 | 3.00 | 0 | 13 | 11 | 15 | 5 | W. L. Brewer. | | |
| Caroleen. | Rutherford. | 806 | 13 | 68.8 | 0.0 | 94 | 30 | 40 | 1 | 46 | 5.06 | + 1.23 | 1.25 | 0 | 8 | 19 | 9 | 3 | S. B. Tanner. | | |
| Chalybeate Springs. | Harnett. | 500 | 7 | 69.8 | | 95 | 4 | 34 | 12 | 49 | 2.69 | | 1.02 | 0 | 10 | 22 | 3 | 6 | J. A. Smith. | | |
| Chapel Hill. | Orange. | 500 | 55 | 68.5 | + 0.5 | 95 | 4 | 38 | 11 | 47 | 3.16 | - 1.36 | 0.90 | 0 | 9 | 16 | 9 | 6 | Prof. A. H. Patterson. | | |
| Charlotte. | Mecklenburg. | 773 | 37 | 69.9 | + 1.5 | 91 | 5 | 44 | 11 | 30 | 3.77 | - 0.15 | 1.48 | 0 | 11 | 13 | 9 | 9 | U. S. Weather Bureau. | | |
| Durham (near). | Durham. | 406 | 4 | | | | | | | | 2.69 | | 1.14 | 0 | 5 | | | | J. C. Michie. | | |
| Eagletown. | Northampton. | 66 | 8 | 67.8 | | 92 | 3 | 35 | 12 | 46 | 3.73 | | 1.15 | 0 | 7 | 18 | 11 | 2 | J. T. Elliott. | | |
| Edenton. | Chowan. | 30 | 19 | 70.3 | + 2.0 | 93 | 3 | 36 | 11 | 42 | 6.45 | + 1.51 | 2.70 | 0 | 10 | 13 | 10 | 8 | E. R. Conger. | | |
| Elizabeth City. | Pasquotank. | 8 | 1 | 66.9 | | 92 | 3 | 38 | 12 | 38 | 5.60 | | 2.00 | 0 | 10 | 16 | 14 | 1 | W. J. Simmons. | | |
| Elizabethtown. | Bladen. | 60 | 2 | | | | | | | | 3.01 | | 1.27 | 0 | 6 | | | | J. W. Hall, Jr. | | |
| Elkin. | Surry. | 784 | | | | | | | | | 5.04 | | 1.39 | 0 | 10 | | | | C. L. Myers. | | |
| Enfield (near). | Halifax. | 99 | 2 | | | | | | | | 2.83 | | 1.00 | 0 | 7 | | | | T. S. Inboden. | | |
| Fayetteville. | Cumberland. | 170 | 26 | 71.4 | + 1.3 | 96 | 4 | 40 | 12 | 42 | 2.66 | - 1.63 | 0.86 | 0 | 7 | 22 | 4 | 5 | Frank Glover. | | |
| Goldsboro. | Wayne. | 102 | 43 | 68.5 | - 1.0 | 92 | 4 | 39 | 12 | 42 | 6.63 | + 2.10 | 2.45 | 0 | 11 | 15 | 10 | 6 | Mrs. J. J. Robinson. | | |
| Graham. | Alamance. | 656 | 11 | | | | | | | | 4.04 | + 0.50 | 1.71 | 0 | 11 | | | | Dr. W. R. Goley. | | |
| Greensboro. | Guilford. | 843 | 32 | 67.0 | - 1.2 | 90 | 3 | 39 | 11 | 38 | 5.47 | + 1.08 | 2.76 | 0 | 8 | | | | A. H. Horry. | | |
| Greenville. | Pitt. | 75 | 20 | | | | | | | | 4.23 | + 0.24 | 2.80 | 0 | 8 | | | | R. M. Hearne. | | |
| Hatteras. | Dare. | 11 | 39 | 69.0 | + 1.9 | 82 | 3 | 46 | 12 | 20 | 3.08 | - 1.06 | 1.51 | 0 | 9 | 15 | 12 | 4 | U. S. Weather Bureau. | | |
| Henderson. | Vance. | 508 | 20 | 69.0 | + 1.1 | 93 | 4 | 39 | 11 | 33 | 2.67 | - 1.41 | 1.05 | 0 | 10 | 15 | 14 | 2 | Enoch Powell. | | |
| Hickory. | Catawba. | 1,165 | | 69.0 | | 94 | 30 | 39 | 11 | 44 | 3.14 | | 1.01 | 0 | 8 | 15 | 13 | 3 | Frank B. Gwin. | | |
| Kings Mountain. | Cleveland. | 952 | 1 | 70.6 | | 92 | 30 | 43 | 12 | 33 | 3.04 | | 1.34 | 0 | 8 | 21 | 10 | 0 | G. T. King. | | |
| Kinston. | Lenoir. | 46 | 15 | 69.9 | - 0.1 | 96 | 3 | 37 | 12 | 49 | 2.76 | - 1.37 | 1.07 | 0 | 7 | 20 | 4 | 7 | H. C. V. Peebles. | | |
| Lincolnton. | Lincoln. | 994 | 7 | 66.6 | | 91 | 30 | 36 | 1 | 47 | 4.48 | | 1.36 | 0 | 7 | 14 | 14 | 3 | S. P. Houser. | | |
| Louisburg. | Franklin. | 375 | 22 | 69.4 | + 1.5 | 94 | 4 | 35 | 12 | 46 | 3.76 | - 0.46 | 1.90 | 0 | 7 | 18 | 6 | 7 | T. B. Wilder. | | |
| Lumberton. | Robeson. | 102 | 30 | 70.8 | 0.0 | 97 | 4 | 40 | 12 | 46 | 3.58 | - 0.56 | 1.85 | 0 | 8 | | | | B. M. Davis. | | |
| Manteo. | Dare. | 12 | 8 | 67.0 | | 88 | 6 | 34 | 12 | 38 | 3.22 | | 0.68 | 0 | 9 | 15 | 10 | 6 | U. S. Weather Bureau. | | |
| Marion. | McDowell. | 1,425 | 21 | 66.6 | - 0.1 | 91 | 30 | 37 | 11 | 40 | 6.64 | + 1.78 | 4.36 | 0 | 11 | 17 | 12 | 2 | Sergt. Thomas McGuire. | | |
| Middletown. | Hyde. | 4 | 2 | 69.8b | | 93 | 3 | 35 | 12 | 41 | 3.55 | | 1.60 | 0 | 8 | | | | W. P. Burrus. | | |
| Moncure. | Chatham. | 145 | 19 | 68.4 | - 0.4 | 94 | 4 | 34 | 12 | 49 | 3.10 | - 0.68 | 1.32 | 0 | 9 | 21 | 4 | 6 | B. J. Utley. | | |
| Monroe. | Union. | 586 | 19 | 68.4 | + 0.1 | 92 | 30 | 37 | 12 | 44 | 3.00 | - 0.62 | 1.10 | 0 | 6 | 19 | 6 | 6 | T. A. Ashcraft. | | |
| Morganton. | Burke. | 1,135 | 26 | 67.2 | + 0.8 | 91 | 30 | 38 | 12 | 42 | 4.62 | + 1.04 | 2.85 | 0 | 6 | 21 | 7 | 3 | J. B. P. Massey. | | |
| Mount Airy. | Surry. | 1,048 | 25 | 66.8 | + 2.2 | 93 | 3 | 36 | 10 | 51 | 7.40 | + 3.87 | 2.91 | 0 | 9 | 22 | 5 | 4 | Prof. A. H. Merritt. | | |
| Mount Holly. | Gaston. | 616 | 16 | | | | | | | | 4.10 | - 0.87 | 1.65 | 0 | 9 | | | | J. W. Holland. | | |
| Nashville. | Nash. | 190 | 9 | 69.4 | | 97 | 4 | 33 | 12 | 50 | 6.82 | | 2.54 | 0 | 9 | 17 | 7 | 7 | J. B. Boddie. | | |
| Neuse. | Wake. | 266 | 1 | | | | | | | | 3.10 | | 1.56 | 0 | 7 | | | | E. M. Allen. | | |
| Newbern. | Craven. | 12 | 31 | 71.3 | + 2.1 | 92 | 3 | 42 | 12 | 39 | 2.65 | - 2.11 | 0.93 | 0 | 10 | 11 | 15 | 5 | J. B. Hill. | | |
| Parkersburg. | Sampson. | 121 | 1 | 69.7 | | 98 | 4 | 36 | 12 | 50 | 4.05 | | 1.60 | 0 | 7 | 20 | 2 | 9 | E. J. Conway. | | |
| Pinehurst. | Moore. | 650 | 9 | 70.0 | | 95 | 4 | 41 | 11 | 44 | 4.89 | | 1.30 | 0 | 9 | | | | General Office. | | |
| Pittsboro. | Chatham. | 480 | 20 | 68.0 | + 1.2 | 88 | 3 | 34 | 1 | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 2—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|------------------|--------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| South Carolina. | | | | | | | | | | | | | | | | | | | | |
| Aiken | Aiken | 565 | 18 | 72.2 | - 0.1 | 97 | 31 | 48 | 13 | 36 | 2.45 | - 0.81 | 1.30 | 0 | 4 | 22 | 6 | 3 | s. | C. E. Carman. |
| Allendale | Barnwell | 186 | 24 | 73.8 | + 0.8 | 99 | 30† | 47 | 1 | 37 | 0.91 | - 2.64 | 0.50 | 0 | 3 | 25 | 1 | 5 | ----- | E. C. Cavan. |
| Anderson | Anderson | 764 | 11 | 72.4 | + 2.6 | 98 | 31 | 48 | 1 | 36 | 1.97 | - 1.99 | 0.79 | 0 | 4 | 21 | 0 | 10 | w. | H. H. Russell. |
| Batesburg | Lexington | 656 | 24 | 71.8 | + 0.2 | 94 | 30 | 50 | 12 | 42 | 1.74 | - 1.97 | 0.65 | 0 | 5 | 22 | 2 | 7 | n. | E. J. Hite. |
| Beaufort | Beaufort | 20 | 26 | 71.5 | - 2.4 | 94 | 30 | 52 | 11 | 30 | 1.75 | - 1.58 | 0.87 | 0 | 3 | ----- | ----- | ----- | ----- | Miss Lillian H. Rice. |
| Blackville | Barnwell | 296 | 23 | 74.0 | + 0.6 | 101 | 31 | 46 | 1† | 44 | 2.07 | - 1.72 | 1.30 | 0 | 9 | 21 | 1 | 9 | sw. | Mrs. D. B. Sanders. |
| Blairs | Fairfield | 293 | 7 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 1.38 | ----- | 0.80 | 0 | 4 | 19 | 4 | 8 | sw. | J. N. Owens. |
| Bowman | Orangeburg | 160 | 11 | 70.7 | - 1.7 | 97 | 30† | 42 | 1 | 46 | 1.37 | - 2.25 | 0.58 | 0 | 9 | 20 | 7 | 4 | sw. | B. O. Evans. |
| Broxton | Hampton | 508 | 19 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 2.82 | ----- | 1.00 | 0 | 7 | 22 | 6 | 3 | sw. | Thomas D. Williams. |
| Calhoun Falls | Abbeville | 222 | 46 | 72.8 | ----- | 100 | 20 | 45 | 1 | 43 | 2.42 | - 0.88 | 0.84 | 0 | 8 | 22 | 4 | 5 | sw. | L. M. Parker. |
| Camden | Kershaw | 562 | 7 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 5.12 | ----- | 2.24 | 0 | 9 | 20 | 5 | 6 | sw. | W. C. Brown. |
| Catawba | York | 402 | 7 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 1.39 | ----- | 1.10 | 0 | 2 | 26 | 0 | 5 | sw. | James C. Faris. |
| Chappell | Newberry | 48 | 42 | 72.6 | + 0.2 | 98 | 30 | 55 | 11 | 27 | 0.19 | - 3.28 | 0.15 | 0 | 3 | 13 | 14 | 4 | s. | J. J. Murren. |
| Charleston | Charleston | 144 | 24 | 70.6 | - 0.0 | 95 | 30 | 43 | 12 | 41 | 1.60 | - 2.27 | 0.58 | 0 | 10 | 18 | 3 | 10 | w. | U. S. Weather Bureau. |
| Cheraw | Chesterfield | 850 | 21 | 69.3 | - 0.2 | 90 | 31 | 45 | 1 | 37 | 3.56 | + 0.34 | 0.95 | 0 | 9 | 18 | 11 | 2 | w. | J. H. Powe. |
| Clemson College | Oconee | 351 | 26 | 72.6 | + 0.8 | 95 | 30 | 51 | 12 | 34 | 1.00 | - 2.19 | 0.70 | 0 | 6 | 19 | 7 | 5 | sw. | Prof. John N. Hook. |
| Columbia | Richland | 25 | 20 | 72.8 | + 2.3 | 97 | 30 | 42 | 12 | 50 | 2.47 | - 1.05 | 1.70 | 0 | 4 | 21 | 0 | 10 | w. | U. S. Weather Bureau. |
| Conway | Horry | 175 | 17 | 71.0 | ----- | 95 | 5 | 40 | 12 | 46 | 2.22 | - 1.43 | 1.03 | 0 | 8 | 23 | 4 | 4 | ----- | Paul Quattlebaum. |
| Darlington | Darlington | 100 | 8 | 69.6 | - 0.8 | 96 | 6 | 38 | 11 | 45 | 4.31 | + 0.57 | 3.06 | 0 | 9 | ----- | ----- | ----- | ----- | D. C. McCall. |
| Dillon | Marion | 127 | 25 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 1.41 | - 1.86 | 0.46 | 0 | 5 | 24 | 3 | 4 | ----- | A. E. Rowell. |
| Edisto | Bamberg | 106 | 20 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 2.80 | - 0.79 | 1.60 | 0 | 4 | 24 | 0 | 7 | w. | Nathan Jenkins. |
| Effingham | Florence | 51 | 4 | 75.4 | + 4.8 | 98 | 30 | 45 | 1 | 37 | 1.38 | - 3.12 | 1.20 | 0 | 3 | 22 | 0 | 9 | ----- | H. B. McCall. |
| Ferguson | Berkeley | 136 | 24 | 71.4 | - 1.2 | 96 | 30 | 43 | 11 | 45 | 2.32 | - 1.40 | 1.41 | 0 | 7 | 18 | 5 | 8 | sw. | Joseph Simons. |
| Florence | Florence | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 2.01 | ----- | 0.64 | 0 | 8 | 21 | 1 | 9 | sw. | H. K. Gilbert. |
| Gaston Shoals | Cherokee | 12 | 19 | 72.6 | + 0.5 | 96 | 30 | 44 | 12 | 33 | 1.15 | - 2.36 | 0.75 | 0 | 3 | 12 | 15 | 4 | ne. | Harry A. Parshall. |
| Georgetown | Georgetown | 989 | 20 | 68.0 | + 0.8 | 91 | 31 | 42 | 1† | 37 | 2.74 | - 1.33 | 1.72 | 0 | 10 | 23 | 3 | 5 | w. | A. P. Hazard. |
| Greenville | Greenville | 671 | 24 | 72.5 | + 1.1 | 96 | 30 | 47 | 12 | 34 | 1.61 | - 2.24 | 0.88 | 0 | 4 | 22 | 0 | 9 | w. | Spartan Goodlette. |
| Greenwood | Greenwood | 568 | 11 | 70.2 | ----- | 94 | 31 | 42 | 12 | 42 | 3.36 | ----- | 1.00 | 0 | 7 | 16 | 7 | 8 | w. | M. M. Calhoun. |
| Heath Springs | Lancaster | 57 | 24 | 71.0 | - 1.3 | 96 | 30 | 41 | 12† | 43 | 2.67 | - 0.75 | 1.55 | 0 | 6 | 23 | 2 | 6 | ne. | J. Marvin Bowers. |
| Kingstree | Williamsburg | 900 | 18 | 70.8 | + 1.6 | 94 | 31 | 42 | 11 | 41 | 2.00 | - 1.46 | 0.50 | 0 | 7 | 19 | 11 | 1 | w. | A. O. Matthews. |
| Liberty | Pickens | 711 | 19 | 75.1 | + 3.0 | 97 | 30 | 51 | 11 | 30 | 1.16 | - 2.08 | 0.75 | 0 | 4 | 24 | 2 | 5 | sw. | John T. Boggs. |
| Little Mountain | Newberry | 3 | 1 | 71.8 | ----- | 99 | 31 | 45 | 1 | 42 | 1.30 | ----- | 0.46 | 0 | 5 | 13 | 6 | 12 | ----- | J. M. Sease, M. D. |
| Meriwether | Edgefield | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 0.61 | ----- | 0.61 | 0 | 6 | 20 | 7 | 4 | sw. | William S. Middleton. |
| Monetta | Aiken | 502 | 8 | 72.0 | + 0.8 | 97 | 31 | 43 | 3 | 43 | 1.35 | - 2.23 | 0.56 | 0 | 6 | 14 | 11 | 6 | sw. | Joseph M. Johnson. |
| Newberry | Newberry | 873 | 7 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 2.20 | ----- | 0.96 | 0 | 6 | 21 | 4 | 6 | w. | W. G. Peterson. |
| Pelzer | Anderson | 55 | 19 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 1.92 | - 1.90 | 1.60 | 0 | 3 | 16 | 0 | 15 | nw. | J. M. Ward. |
| Pinopolis | Berkeley | 109 | 24 | 70.6 | - 2.2 | 95 | 31 | 45 | 1† | 38 | 1.82 | - 1.60 | 0.82 | 0 | 3 | 18 | 0 | 13 | e. | Miss E. P. Ravenel. |
| St. George | Dorchester | 209 | 24 | 70.4 | - 1.7 | ----- | ----- | ----- | ----- | ----- | 3.15 | - 0.77 | 1.55 | 0 | 5 | 25 | 0 | 6 | e. | G. F. Lewis. |
| St. Matthews | Orangeburg | 530 | 10 | 71.8 | ----- | 100 | 4 | 40 | 1 | 54 | 2.10 | ----- | 0.65 | 0 | 6 | 26 | 5 | 0 | w. | J. S. Wannamaker. |
| Saluda | Saluda | 572 | 17 | 72.6 | + 2.7 | 101 | 30 | 43 | 1† | 46 | 2.16 | - 1.09 | 1.15 | 0 | 7 | 14 | 13 | 4 | w. | Mrs. F. V. J. Maxwell. |
| Santee | Union | 62 | 17 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 3.77 | - 0.59 | 2.08 | 0 | 7 | 18 | 0 | 13 | s. | W. G. Walker. |
| Smiths Mills | Williamsburg | 75 | 15 | 71.2 | + 0.1 | 96 | 30 | 44 | 11 | 42 | 1.95 | - 1.57 | 0.55 | 0 | 10 | 13 | 13 | 5 | sw. | T. Ellison Simpson. |
| Society Hill | Darlington | 875 | 21 | 70.4 | + 0.2 | 94 | 30 | 42 | 1 | 42 | 2.64 | - 1.63 | 1.08 | 0 | 8 | 15 | 0 | 16 | ----- | F. P. Robinson. |
| Spartanburg | Spartanburg | 75 | 15 | 71.9 | + 0.1 | 98 | 31 | 45 | 1 | 41 | 1.30 | - 2.21 | 0.56 | 0 | 5 | 9 | 22 | 0 | sw. | Miss E. H. Gadsden. |
| Summersville | Dorchester | ----- | ----- | 72.6 | ----- | 98 | 30 | 45 | 12 | 33 | 1.42 | ----- | 0.39 | 0 | 7 | ----- | ----- | ----- | ----- | Duane L. Wannamaker. |
| Sumter | Sumter | 620 | 15 | 72.2 | - 0.6 | 98 | 31 | 49 | 12 | 37 | 1.12 | - 2.02 | 0.35 | 0 | 7 | 13 | 16 | 2 | s. | C. A. Long. |
| Trenton | Edgefield | 60 | 8 | 74.4 | ----- | 97 | 4 | 45 | 1 | 45 | 1.62 | ----- | 0.75 | 0 | 4 | 25 | 3 | 3 | ----- | B. Levy. |
| Walterboro | Colleton | 545 | 22 | 70.9 | + 0.4 | 92 | 30 | 48 | 11 | 37 | 1.85 | - 1.56 | 0.60 | 0 | 5 | 21 | 6 | 4 | se. | W. S. Seigler. |
| Winnboro | Fairfield | 690 | 13 | 67.4 | - 2.8 | 93 | 4† | 42 | 8 | 44 | 6.65 | + 2.18 | 1.21 | 0 | 9 | 11 | 14 | 6 | sw. | W. P. Goodman. |
| Winthrop College | York | 24 | 17 | 71.7 | + 1.6 | 100 | 31 | 43 | 1† | 47 | 1.88 | - 1.73 | 0.76 | 0 | 7 | 20 | 2 | 9 | w. | J. G. Hutson. |
| Yemassee | Hampton | | | | | | | | | | | | | | | | | | | |
| Georgia. | | | | | | | | | | | | | | | | | | | | |
| Abbeville | Wilcox | 180 | 10 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 0.65 | - 2.95 | 0.23 | 0 | 5 | 26 | 1 | 4 | w. | W. H. Calhoun. |
| Adairsville | Bartow | 772 | 21 | 69.0 | - 0.3 | 95 | 31 | 43 | 1 | 39 | 4.57 | + 1.02 | 1.81 | 0 | 4 | ----- | ----- | ----- | ----- | Mrs. R. C. Evans. |
| Albany | Dougherty | 232 | 26 | 74.8 | 0.0 | 99 | 31 | 56 | 1 | 32 | 1.77 | - 1.87 | 0.83 | 0 | 7 | 18 | 9 | 4 | se. | George C. Brosnan. |
| Allapaha | Berrien | 293 | 23 | 73.6 | - 0.0 | 100 | 31 | 48 | 1† | 40 | 0.99 | - 2.11 | 0.40 | 0 | 6 | 16 | 13 | 2 | w. | J. F. Rice. |
| Americus | Sumter | 362 | 28 | 73.7 | - 0.9 | 100 | 30 | 51 | 1† | 38 | 1.26 | - 1.96 | 0.60 | 0 | 5 | 14 | 11 | 6 | se. | Joseph M. Bryan. |
| Athens | Clarke | 694 | 31 | 71.4 | + 1.6 | 99 | 31 | 44 | 1 | 38 | 2.92 | - 0.74 | 1.24 | 0 | 6 | 26 | 2 | 3 | sw. | C. D. Cox. |
| Atlanta | Fulton | 1,218 | 48 | 70.8 | + 1.7 | 92 | 31 | 51 | 24 | 29 | 3.62 | + 0.21 | 1.78 | 0 | 9 | 13 | 8 | 10 | w. | U. S. Weather Bureau. |
| Augusta | Richmond | 180 | 67 | 72.6 | + 0.1 | 97 | 31 | 50 | 1 | 37 | 0.74 | - 2.45 | 0.26 | 0 | 9 | 10 | 14 | 7 | s. | Do. |
| Bainbridge | Decatur | 119 | 21 | 72.9 | - 1.9 | 99 | 31 | 51 | 1 | 37 | 2.36 | - 0.57 | 1.72 | 0 | 4 | 25 | 1 | 5 | se. | W. H. Morrow. |
| Butler | Taylor | 650 | 12 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 1.26 | - 2.77 | 0.86 | 0 | 3 | 25 | 4 | 2 | w. | Mrs. Mamie F. Wallace. |
| Camak | Warren | 613 | 21 | 73.0 | - 1.2 | 98 | 31 | 48 | 1 | 39 | 4.20 | - 1.03 | 2.00 | 0 | 4 | 17 | 1 | 13 | e. | J. A. Chapman. |
| Canton | Cherokee | 894 | 22 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 2.79 | - 0.65 | 1.86 | 0 | 6 | 18 | 5 | 8 | n. | Mrs. Ada P. Mills. |
| Carlton | Madison | 557 | 14 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 1.61 | - 1.72 | 0.57 | 0 | 6 | 18 | 6 | 7 | w. | M. C. Power. |
| Clayton | Rabun | 2,100 | 19 | 64.2 | - 1.3 | 89 | 31 | 40 | 1† | 41 | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 2—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | | Prevailing wind direction. | Observers. |
|--------------------|------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|-----------------------|---------------------------|----------------------------|-----------------------|----------------------------|------------------------------------------|-----------------------|-------------------------------|------------------------|-----|----------------------------|------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelting. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Georgia—Continued. | | | | | | | | | | | | | | | | | | | | | |
| Milledgeville | Baldwin | 276 | 25 | 73.0 | + 1.3 | 99 | 31 | 48 | 1 | 38 | 0.50 | - 2.79 | 0.32 | 0 | 4 | 21 | 2 | 8 | s. | Prof. O. M. Cone. | |
| Millen | Jenkins | 158 | 25 | 73.8 | + 0.3 | 101 | 31 | 47 | 1 | 40 | 0.84 | - 2.27 | 0.25 | 0 | 6 | 21 | 1 | 9 | se. | M. G. McComb. | |
| Montezuma | Macon | 292 | 8 | 72.6 | + 0.8 | 98 | 31 | 49 | 1 | 34 | 1.37 | - 0.97 | 0.51 | 0 | 7 | 21 | 0 | 10 | sw. | J. C. Collins. | |
| Monticello | Jasper | 800 | 18 | 72.6 | + 0.8 | 98 | 31 | 49 | 1 | 34 | 2.23 | - 0.97 | 0.90 | 0 | 8 | 26 | 4 | 1 | sw. | Miss Maude Penn. | |
| Newnan | Coweta | 959 | 24 | 71.8 | + 1.3 | 96 | 31 | 50 | 1 | 35 | 3.06 | - 0.03 | 1.08 | 0 | 9 | 21 | 5 | 4 | s. | Mrs. Ida J. Milner. | |
| Norcross | Gwinnett | 1,078 | 3 | 70.6 | + 1.1 | 95 | 31 | 44 | 1 | 34 | 2.12 | - 0.89 | 1.24 | 0 | 6 | 16 | 6 | 9 | sw. | W. O. Medlock. | |
| Point Peter | Oglethorpe | 600 | 23 | 72.8 | - 0.1 | 99 | 31 | 48 | 24 | 43 | 1.62 | - 1.53 | 0.77 | 0 | 7 | 22 | 8 | 1 | sw. | C. M. Witcher. | |
| Poulan | Worth | 365 | 13 | 72.9 | - 0.7 | 98 | 31 | 49 | 1 | 42 | 3.05 | - 0.18 | 1.13 | 0 | 6 | 26 | 0 | 5 | sw. | C. T. Merritt. | |
| Putnam | Marion | 173 | 27 | 73.2 | - 1.4 | 98 | 31 | 42 | 1 | 48 | 3.05 | - 0.18 | 1.13 | 0 | 6 | 26 | 0 | 5 | sw. | Miss Mildred Collum. | |
| Quitman | Brooks | 900 | 20 | 68.6 | + 0.4 | 94 | 31 | 47 | 1 | 33 | 4.47 | + 0.64 | 1.35 | 0 | 8 | 13 | 12 | 6 | n. | A. B. Jones. | |
| Ramhurst | Murray | 657 | 19 | 70.6 | + 1.2 | 97 | 31 | 45 | 1 | 40 | 3.88 | + 0.46 | 2.44 | 0 | 6 | 24 | 2 | 5 | n. | D. E. Humphreys. | |
| Resaca | Gordon | 576 | 54 | 70.6 | + 1.2 | 97 | 31 | 45 | 1 | 40 | 3.88 | + 0.46 | 2.44 | 0 | 6 | 24 | 2 | 5 | n. | D. A. Norton. | |
| Rome | Floyd | 50 | 6 | 71.8 | - 0.5 | 98 | 30 | 56 | 1 | 28 | 1.28 | - 2.40 | 0.56 | 0 | 8 | 10 | 14 | 7 | s. | W. M. Towers. | |
| St. George | Charlton | 65 | 62 | 73.5 | - 0.5 | 98 | 31 | 56 | 1 | 28 | 1.28 | - 2.40 | 0.56 | 0 | 8 | 10 | 14 | 7 | s. | U. S. Weather Bureau. | |
| Savannah | Chatham | 253 | 13 | 74.6 | + 0.5 | 102 | 30 | 48 | 1 | 41 | 1.56 | - 2.35 | 0.69 | 0 | 7 | 14 | 17 | 0 | s. | W. C. Cromley. | |
| Statesboro | Bulloch | 750 | 19 | 73.4 | + 1.4 | 100 | 31 | 51 | 1 | 38 | 1.15 | - 1.81 | 0.56 | 0 | 6 | 12 | 0 | 19 | w. | Dr. E. L. Bardwell. | |
| Talbotton | Talbot | 1,150 | 14 | 69.6 | + 0.3 | 95 | 31 | 48 | 24 | 37 | 2.35 | - 0.71 | 1.21 | 0 | 5 | 12 | 8 | 11 | se. | Miss Averil Southard. | |
| Tallahassee | Harrison | 273 | 31 | 73.3 | - 1.1 | 98 | 31 | 52 | 2 | 38 | 2.87 | - 0.90 | 0.95 | 0 | 8 | 14 | 11 | 6 | se. | U. S. Weather Bureau. | |
| Thomasville | Thomas | 1,050 | 27 | 70.4 | + 2.1 | 96 | 31 | 46 | 1 | 40 | 2.53 | - 1.59 | 1.68 | 0 | 6 | 24 | 2 | 5 | w. | J. A. Creasy. | |
| Toccoa | Stephens | 220 | 8 | 74.2 | - 1.1 | 100 | 31 | 51 | 2 | 45 | 2.95 | - 1.15 | 1.15 | 0 | 4 | 24 | 0 | 7 | w. | Miss Annie Twitty. | |
| Valdosta | Lowndes | 10 | 15 | 72.2 | - 1.1 | 100 | 31 | 46 | 2 | 31 | 3.79 | + 0.03 | 1.50 | 0 | 5 | 27 | 0 | 4 | se. | George E. Atwood. | |
| Valonia | McIntosh | 630 | 22 | 71.2 | - 0.4 | 94 | 31 | 50 | 1 | 30 | 2.16 | - 1.46 | 1.20 | 0 | 7 | 22 | 8 | 1 | ne. | Miss Ella B. Smith. | |
| Washington | Wilkes | 131 | 24 | 73.9 | - 0.8 | 99 | 30 | 49 | 1 | 44 | 1.21 | - 1.12 | 0.57 | 0 | 5 | 20 | 5 | 6 | ne. | Dr. J. F. Wilson. | |
| Waycross | Ware | 86 | 21 | 73.6 | + 1.4 | 100 | 31 | 45 | 1 | 44 | 1.97 | - 1.52 | 1.45 | 0 | 6 | 13 | 14 | 4 | s. | Mrs. H. W. Blount. | |
| Waynesboro | Burke | 620 | 23 | 71.1 | - 1.4 | 95 | 31 | 49 | 1 | 34 | 2.87 | - 0.46 | 0.98 | 0 | 5 | 17 | 1 | 13 | w. | E. N. Dunn. | |
| West Point | Troup | 641 | 12 | 71.1 | - 1.4 | 95 | 31 | 49 | 1 | 34 | 2.87 | - 0.46 | 0.98 | 0 | 5 | 17 | 1 | 13 | w. | E. T. Riggins. | |
| Woodbury | Meriwether | 641 | 12 | 71.1 | - 1.4 | 95 | 31 | 49 | 1 | 34 | 2.87 | - 0.46 | 0.98 | 0 | 5 | 17 | 1 | 13 | w. | E. T. Riggins. | |
| Florida. | | | | | | | | | | | | | | | | | | | | | |
| Apalachicola | Franklin | 24 | 8 | 73.3 | - 1.5 | 94 | 30 | 57 | 3 | 24 | 2.95 | - 1.25 | 1.25 | 0 | 6 | 17 | 13 | 1 | se. | G. H. Whiteside. | |
| Arcadia | De Soto | 61 | 12 | 77.6 | + 0.5 | 97 | 20 | 57 | 3 | 32 | 3.88 | + 0.20 | 1.65 | 0 | 9 | 9 | 22 | 0 | w. | C. S. Bushnell. | |
| Archer | Alachua | 92 | 28 | 73.7 | - 1.5 | 94 | 30 | 57 | 1 | 30 | 2.27 | - 1.32 | 0.56 | 0 | 6 | 17 | 13 | 1 | se. | R. B. Hodgson. | |
| Avon Park | De Soto | 150 | 14 | 75.8 | - 1.5 | 94 | 30 | 57 | 1 | 30 | 6.39 | + 1.58 | 2.95 | 0 | 11 | 21 | 10 | 0 | e. | William King. | |
| Bartow | Polk | 115 | 25 | 73.7 | - 3.3 | 94 | 31 | 49 | 1 | 36 | 2.83 | - 0.96 | 0.83 | 0 | 9 | 15 | 4 | 12 | se. | William Hood. | |
| Bassenger | Osceola | 10 | 29 | 74.1 | - 1.5 | 96 | 31 | 52 | 1 | 33 | 6.55 | - 1.50 | 1.50 | 0 | 7 | 16 | 13 | 2 | sw. | L. N. Kline. | |
| Bradentown | Manatee | 10 | 29 | 74.1 | - 1.5 | 96 | 31 | 52 | 1 | 33 | 6.55 | - 1.50 | 1.50 | 0 | 7 | 16 | 13 | 2 | sw. | F. H. Braymer. | |
| Bristol | Liberty | 126 | 20 | 75.3 | - 1.4 | 94 | 18 | 56 | 1 | 35 | 1.75 | - 1.52 | 1.22 | 0 | 4 | 17 | 13 | 1 | sw. | J. N. Harrell. | |
| Brooksville | Hernando | 10 | 14 | 73.6 | - 1.6 | 91 | 31 | 56 | 1 | 31 | 2.45 | - 0.18 | 1.10 | 0 | 4 | 17 | 13 | 1 | sw. | C. C. Peck. | |
| Carrabelle | Franklin | 10 | 24 | 75.2 | - 0.2 | 88 | 30 | 59 | 1 | 21 | 1.48 | - 0.10 | 0.52 | 0 | 5 | 22 | 0 | 9 | w. | J. J. Blomquist. | |
| Cedar Key | Levy | 10 | 24 | 75.2 | - 0.2 | 88 | 30 | 59 | 1 | 21 | 1.48 | - 0.10 | 0.52 | 0 | 5 | 22 | 0 | 9 | w. | S. T. White. | |
| Clermont | Lake | 105 | 19 | 77.7 | - 0.6 | 100 | 31 | 57 | 1 | 33 | 1.33 | - 2.22 | 0.78 | 0 | 3 | 17 | 14 | 0 | e. | S. S. Fesler. | |
| Crescent City | Putnam | 27 | 16 | 75.8 | - 0.3 | 99 | 31 | 54 | 3 | 34 | 0.91 | - 2.64 | 0.57 | 0 | 8 | 19 | 10 | 2 | e. | Walter Cliff. | |
| De Land | Volusia | 27 | 16 | 76.3 | - 1.0 | 96 | 29 | 51 | 3 | 38 | 2.06 | - 1.18 | 0.52 | 0 | 6 | 28 | 2 | 1 | e. | A. C. Haynes. | |
| Eustis | Lake | 56 | 22 | 76.3 | - 1.0 | 96 | 29 | 51 | 3 | 38 | 2.06 | - 1.18 | 0.52 | 0 | 6 | 28 | 2 | 1 | e. | C. T. Smith. | |
| Federal Point | Putnam | 10 | 21 | 74.2 | - 0.2 | 97 | 30 | 51 | 3 | 37 | 1.43 | - 2.38 | 0.57 | 0 | 7 | 16 | 13 | 2 | se. | E. S. Hubbard. | |
| Fort Lauderdale | Dade | 10 | 1 | 76.2 | - 1.0 | 95 | 31 | 59 | 9 | 31 | 9.34 | - 2.35 | 2.35 | 0 | 11 | 17 | 12 | 2 | sw. | W. M. Heine. | |
| Fort Meade | Polk | 125 | 23 | 76.0 | - 1.1 | 92 | 5 | 58 | 3 | 29 | 3.26 | - 0.37 | 1.00 | 0 | 5 | 17 | 13 | 2 | sw. | G. L. Brodick. | |
| Fort Myers | Lee | 12 | 40 | 76.0 | - 1.1 | 92 | 5 | 58 | 3 | 29 | 3.26 | - 0.37 | 1.00 | 0 | 5 | 17 | 13 | 2 | sw. | Miss M. M. Gardner. | |
| Fort Pierce | St. Lucie | 10 | 12 | 74.8 | - 1.0 | 87 | 19 | 61 | 10 | 23 | 3.58 | - 0.47 | 1.07 | 0 | 11 | 18 | 9 | 3 | e. | T. C. Nicholson. | |
| Gainesville | Alachua | 176 | 17 | 74.3 | - 2.1 | 95 | 30 | 52 | 3 | 35 | 2.67 | - 0.54 | 1.45 | 0 | 5 | 26 | 1 | 4 | se. | John Schnabel. | |
| Garniers (near) | Walton | 22 | 1 | 72.7 | - 1.0 | 97 | 31 | 51 | 1 | 38 | 2.98 | - 1.07 | 1.07 | 0 | 7 | 23 | 1 | 7 | s. | U. S. Forest Service. | |
| Grasmere | Orange | 175 | 15 | 74.0 | - 3.0 | 94 | 31 | 52 | 3 | 35 | 2.33 | - 1.27 | 1.27 | 0 | 5 | 17 | 13 | 2 | sw. | J. B. Escott. | |
| Griffin | Dade | 69 | 4 | 72.2 | - 1.0 | 96 | 31 | 58 | 5 | 42 | 1.26 | - 0.37 | 1.00 | 0 | 5 | 17 | 13 | 2 | sw. | T. M. Griffin. | |
| Hilliard | Nassau | 12 | 3 | 74.8 | - 1.0 | 91 | 29 | 48 | 9 | 28 | 7.33 | - 1.89 | 1.89 | 0 | 8 | 9 | 13 | 9 | e. | B. A. Tibbits. | |
| Homestead | Dade | 9 | 17 | 76.6 | - 1.4 | 92 | 31 | 59 | 11 | 34 | 4.67 | - 0.73 | 1.65 | 0 | 11 | 18 | 9 | 4 | e. | J. A. Kahl. | |
| Hypoluxo | Palm Beach | 43 | 13 | 74.5 | - 0.4 | 93 | 30 | 53 | 3 | 32 | 2.91 | - 0.80 | 0.72 | 0 | 9 | 12 | 19 | 0 | se. | G. A. Angevine. | |
| Inverness | Citrus | 108 | 42 | 74.3 | + 0.1 | 94 | 31 | 58 | 4 | 28 | 1.06 | - 3.19 | 0.53 | 0 | 5 | 18 | 7 | 6 | s. | W. H. Miller. | |
| Jacksonville | Duval | 152 | 12 | 72.4 | - 2.5 | 96 | 31 | 48 | 1 | 43 | 3.65 | - 0.24 | 1.55 | 0 | 7 | 11 | 14 | 6 | sw. | U. S. Weather Bureau. | |
| Jasper | Hamilton | 125 | 13 | 73.1 | - 1.6 | 96 | 31 | 50 | 1 | 41 | 3.86 | + 0.53 | 1.71 | 0 | 6 | 15 | 13 | 3 | sw. | Mrs. W. C. Caldwell. | |
| Johnstown | Bradford | 14 | 42 | 77.8 | - 1.2 | 86 | 31 | 67 | 1 | 15 | 3.46 | + 0.10 | 1.48 | 0 | 8 | 17 | 9 | 5 | se. | A. M. C. Brasch. | |
| Key West | Monroe | 65 | 20 | 75.8 | - 1.6 | 96 | 31 | 53 | 1 | 33 | 2.43 | - 1.09 | 1.45 | 0 | 6 | 11 | 17 | 3 | se. | U. S. Weather Bureau. | |
| Kissimmee | Osceola | 210 | 28 | 74.5 | - 1.1 | 96 | 5 | 51 | 1 | 42 | 2.05 | - 1.06 | 0.70 | 0 | 9 | 12 | 16 | 3 | se. | J. A. Simpson. | |
| Lake City | Columbia | 109 | 13 | 73.6 | - 1.0 | 97 | 31 | 49 | 5 | 41 | 3.41 | - 0.15 | 1.02 | 0 | 12 | 15 | 9 | 7 | s. | W. B. Knight. | |
| Live Oak | Suwanee | 109 | 13 | 73.6 | - 1.0 | 97 | 31 | 49 | 5 | 41 | 3.41 | - 0.15 | 1.02 | 0 | 12 | 15 | 9 | 7 | s. | Rev. J. A. Montgomery. | |
| Lock No. 1 | Dade | 125 | 16 | 72.7 | - 2.4 | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 2—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Observers. | | | |
|-----------------------|-------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------|--------------------------|----------------------------|----------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | Number of overcast days. | Prevailing wind direction. | |
| Alabama. | | | | | | | | | | | | | | | | | | | | | |
| Alaga. | Houston. | 105 | 8 | | | | | | | | | | | | | | | | | James L. Willis. | |
| Andalusia. | Covington. | 488 | | 72.4 | | | 94 | 30† | 48 | 1 | 38 | 1.42 | | 0.50 | | 6 | 1 | 19 | 9 | 3 | W. N. Rushton. |
| Anniston. | Calhoun. | 728 | 22 | 69.8 | + 1.4 | 93 | 31 | 48 | 1 | 36 | 2.96 | - 0.13 | 1.55 | | 0 | 7 | 12 | 13 | 6 | U. S. Weather Bureau. | |
| Ashville. | St. Clair. | 685 | 20 | 68.9 | - 0.8 | 90 | 30 | 43 | 1 | 40 | 4.70 | + 0.53 | 1.70 | | 0 | 5 | 14 | 14 | 3 | A. L. Cather. | |
| Auburn. | Lee. | 732 | 31 | 73.2 | + 1.7 | 96 | 31 | 51 | 24 | 33 | 2.12 | - 1.45 | 1.28 | | 0 | 7 | 9 | 13 | 9 | Dr. James T. Anderson. | |
| Benton. | Lowndes. | 149 | 12 | | | | | | | | | | | | | 5 | | | | S. T. Pruitt. | |
| Bermuda. | Conecuh. | | 26 | 73.0 | + 1.2 | 96 | 19† | 49 | 1 | 39 | 1.36 | - 2.09 | 0.54 | | 0 | 7 | 13 | 14 | 4 | M. J. Morris. | |
| Birmingham. | Jefferson. | 701 | 25 | 70.6 | - 1.0 | 90 | 31 | 48 | 24 | 30 | 4.48 | + 1.39 | 2.77 | | 0 | 11 | 13 | 10 | 8 | U. S. Weather Bureau. | |
| Calera. | Shelby. | 500 | 12 | | | | | | | | | | | | | 5 | | | | L. G. Privett. | |
| Camp Hill. | Tallapoosa. | 738 | 12 | 70.4 | + 0.3 | 95 | 31 | 48 | 24 | 38 | 2.18 | - 2.21 | 1.00 | | 0 | 4 | 9 | 17 | 5 | Dr. Lyman Ward. | |
| Citronelle. | Mobile. | 331 | 25 | 73.2 | - 0.7 | 94 | 31 | 52 | 24 | 30 | 7.52 | + 3.23 | 3.98 | | 0 | 7 | 13 | 14 | 4 | Rev. W. H. Rowe. | |
| Clanton. | Chilton. | 590 | 20 | 70.6 | - 0.2 | 94 | 31 | 48 | 1 | 37 | 2.62 | - 1.78 | 1.47 | | 0 | 9 | | | | Joseph B. Downs. | |
| Cochrane. | Pickens. | 100 | 3 | | | | | | | | | | | | | 4 | | | | T. H. G. Cook. | |
| Cordova. | Walker. | 334 | 22 | 69.4 | + 0.7 | 91 | 30 | 44 | 1 | 40 | 6.99 | + 3.03 | 2.70 | | 0 | 5 | 20 | 3 | 8 | Scott Maxwell. | |
| Cullman. | Cullman. | 802 | 5 | 72.8 | | 93 | 31 | 46 | 1 | 34 | 6.79 | - 2.25 | 2.15 | | 0 | 7 | 20 | 7 | 4 | Eugene A. Grayot. | |
| Dadeville. | Tallapoosa. | 760 | 8 | | | | | | | | | | | | | 3 | | | | Dr. W. B. Fulton. | |
| Daphne. | Baldwin. | | 22 | 72.4 | - 1.4 | 94 | 31 | 51 | 24 | 28 | 4.18 | + 0.65 | 2.10 | | 0 | 5 | 21 | 7 | 3 | John H. Young. | |
| Demopolis. | Marengo. | | 21 | | | | | | | | | | | | | 5 | | | | George E. Pegram. | |
| Dothan. | Houston. | | | 74.4 | | 96 | 31 | 55 | 1† | 29 | 1.08 | - 1.67 | 2.13 | | 0 | 5 | | | | L. G. Biggers. | |
| Eufaula. | Barbour. | 200 | 29 | 70.7 | - 2.1 | 96 | 31 | 48 | 1 | 36 | 1.68 | - 1.65 | 0.88 | | 0 | 6 | | | | Dr. J. B. Whitlock. | |
| Evergreen. | Conecuh. | 285 | 29 | 72.4 | - 0.3 | 95 | 31 | 53 | 1† | 33 | 2.55 | - 0.97 | 0.90 | | 0 | 5 | | | | George W. Salter. | |
| Flomaton. | Escambia. | 91 | 21 | 72.6 | - 0.4 | 97 | 31 | 48 | 3 | 39 | 2.37 | - 1.91 | 0.89 | | 0 | 4 | 19 | 2 | 10 | T. J. Farris. | |
| Fort Deposit. | Lowndes. | 520 | 29 | 72.8 | - 0.5 | 95 | 30† | 50 | 1† | 37 | 3.78 | - 2.97 | 0.40 | | 0 | 5 | | | | J. F. Hattemer. | |
| Gadsden. | Etowah. | 621 | 29 | 71.6 | + 2.2 | 98 | 31 | 49 | 1 | 38 | 3.16 | - 0.76 | 2.52 | | 0 | 4 | | | | B. D. Goodhue. | |
| Goat Rock. | Lee. | | | | | | | | | | | | | | | 7 | | | | M. B. Hamby. | |
| Goodwater. | Coosa. | 826 | 18 | 69.9 | - 1.4 | 94 | 31 | 47 | 25 | 37 | 3.10 | - 0.92 | 1.55 | | 0 | 6 | | | | Miss Daisy Buice. | |
| Greensboro. | Hale. | 220 | 34 | 72.2 | + 0.7 | 91 | 31 | 51 | 24 | 30 | 4.70 | + 0.57 | 1.48 | | 0 | 8 | | | | W. E. W. Yerby. | |
| Greenville. | Butler. | 444 | 12 | | | | | | | | | | | | | 2 | | | | E. M. Lewis. | |
| Hamilton. | Marion. | | 17 | 68.6 | - 1.4 | 94 | 31 | 44 | 1 | 44 | 3.06 | - 0.32 | 1.35 | | 0 | 9 | 13 | 10 | 8 | Prof. H. O. Sargent. | |
| Healing Springs. | Washington. | 362 | | | | | | | | | | | | | | 7 | | | | James E. Lipscomb. | |
| Highland Home. | Crenshaw. | | 21 | 73.7 | + 1.3 | 96 | 31 | 52 | 24 | 31 | 2.65 | - 0.97 | 1.65 | | 0 | 7 | 17 | 8 | 6 | Prof. Samuel Jordan. | |
| Livingston. | Sumter. | 160 | 29 | 71.4 | - 0.8 | 90 | 31 | 50 | 1 | 34 | 3.78 | - 0.14 | 2.15 | | 0 | 5 | | | | Robert L. King. | |
| Lock No. 4. | Talladega. | 510 | 16 | 70.6 | + 0.6 | 93 | 31 | 48 | 1 | 38 | 3.07 | - 1.54 | 1.97 | | 0 | 4 | | | | U. S. Engineers. | |
| Maple Grove. | Cherokee. | | 20 | 71.2 | + 2.3 | 97 | 31 | 50 | 2† | 36 | 2.60 | - 1.50 | 1.85 | | 0 | 5 | 10 | 21 | 0 | Mrs. A. L. Awbrey. | |
| Mentone. | De Kalb. | 1,595 | 6 | | | | | | | | | | | | | 4 | | | | E. Mason. | |
| Milstead. | Macon. | | 10 | | | | | | | | | | | | | 4 | | | | W. U. Wall. | |
| Mobile. | Mobile. | 84 | 41 | 73.7 | + 0.1 | 94 | 31 | 55 | 24 | 24 | 1.59 | - 2.40 | 0.89 | | 0 | 7 | 14 | 14 | 3 | U. S. Weather Bureau. | |
| Montgomery. | Montgomery. | 240 | 41 | 73.4 | - 0.1 | 94 | 31 | 54 | 24 | 30 | 2.38 | - 1.44 | 0.95 | | 0 | 5 | 13 | 15 | 3 | Do. | |
| Newbern. | Hale. | | 21 | 73.1 | + 0.5 | 96 | 31 | 50 | 1† | 39 | 2.26 | - 2.44 | 1.26 | | 0 | 6 | 16 | 10 | 5 | Dr. J. Huggins. | |
| Oneonta. | Blount. | 857 | 19 | 70.0 | + 1.3 | 91 | 31 | 45 | 1 | 39 | 3.87 | - 0.89 | 1.53 | | 0 | 7 | 11 | 0 | 20 | Aquilla J. Ketchum. | |
| Opelika. | Lee. | 917 | 34 | 71.6 | - 0.2 | 90 | 31 | 52 | 24 | 28 | 2.45 | - 1.05 | 1.32 | | 0 | 5 | | | | A. H. Read, Jr. | |
| Ozark. | Dale. | 400 | 11 | 73.8 | | 93 | 31 | 53 | 1† | 34 | 2.45 | - 0.95 | 0.95 | | 0 | 5 | | | | James A. Scott. | |
| Prattville. | Autauga. | 281 | 13 | 70.8† | - 0.2 | 93 | 31 | 47 | 1 | 37 | 2.39 | - 0.60 | 0.60 | | 0 | 7 | 12 | 16 | 3 | Joseph B. Bell. | |
| Pushmataha. | Choctaw. | | 22 | 71.0 | - 1.4 | 92 | 31 | 50 | 1† | 36 | 4.20 | - 1.08 | 1.42 | | 0 | 7 | 7 | 5 | 19 | W. N. Horn. | |
| Robertsdale. | Baldwin. | 148 | 1 | | | | | | | | | | | | | 8 | | | | Carl Boscack. | |
| Selma. | Dallas. | 147 | 33 | 73.7 | + 1.3 | 97 | 31 | 50 | 1 | 39 | 3.00 | - 0.28 | 1.62 | | 0 | 5 | | | | Charles F. Brislin. | |
| Spring Hill. | Mobile. | 312 | 9 | 73.4 | | 95 | 31 | 51 | 24 | 31 | 3.15 | - 1.30 | 1.30 | | 0 | 6 | 24 | 6 | 1 | Spring Hill College. | |
| Talladega. | Talladega. | 554 | 23 | 71.3 | + 0.9 | 95 | 31 | 48 | 1 | 40 | 2.92 | - 0.76 | 2.10 | | 0 | 3 | 10 | 10 | 11 | J. W. Vandiver. | |
| Tallassee. | Elmore. | | 22 | | | | | | | | | | | | | 6 | | | | P. A. Noble. | |
| Thomasville. | Clarke. | 385 | 22 | 72.2 | - 0.9 | 97 | 31 | 49 | 24 | 38 | 1.54 | - 2.67 | 0.87 | | 0 | 4 | | | | Miss H. T. Forster. | |
| Troy. | Pike. | 581 | 5 | 74.4 | | 96 | 30† | 53 | 24 | 32 | 1.08 | - 0.44 | 0.44 | | 0 | 5 | 6 | 23 | 2 | Frank L. Zimmermann. | |
| Tuscaloosa. | Tuscaloosa. | 230 | 32 | 72.1 | + 0.2 | 98 | 31 | 49 | 24 | 40 | 4.83 | + 1.32 | 2.60 | | 0 | 6 | | | | W. S. Wyman, Jr. | |
| Tuskegee. | Macon. | | 13 | 73.4 | + 0.4 | 97 | 31 | 50 | 1† | 39 | 1.46 | - 1.95 | 0.40 | | 0 | 5 | 9 | 21 | 1 | Prof. George W. Carver. | |
| Union Springs. | Bullock. | 216 | 26 | 74.7 | + 1.5 | 96 | 31 | 51 | 24 | 35 | 1.50 | - 2.35 | 0.68 | | 0 | 5 | | | | P. L. Cowan. | |
| Uniontown. | Perry. | 273 | 27 | 73.2 | + 0.6 | 94 | 31 | 50 | 24 | 34 | 1.47 | - 2.40 | 0.95 | | 0 | 2 | 16 | 9 | 6 | L. H. Moore. | |
| Valley Head. | De Kalb. | 1,031 | 28 | 69.0 | + 2.1 | 98 | 31 | 43 | 1 | 45 | 3.03 | - 1.56 | 1.62 | | 0 | 4 | 22 | 3 | 6 | M. T. Floyd, M. D. | |
| Wetumpka. | Elmore. | 205 | 21 | 73.6 | + 0.7 | 97 | 31 | 49 | 1 | 38 | 2.20 | - 1.63 | 0.90 | | 0 | 5 | | | | Mrs. Emmie Callaway. | |
| Mississippi. | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen. | Monroe. | 210 | 25 | 70.7 | 0.0 | 96 | 31 | 48 | 1 | 39 | 4.74 | + 1.22 | 1.53 | | 0 | 7 | 22 | 3 | 6 | L. D. Godfrey, Jr. | |
| Agricultural College. | Okfuskeba. | 424 | 23 | 71.6 | - 0.2 | 93 | 31 | 52 | 24 | 32 | 4.12 | + 0.16 | 1.10 | | 0 | 10 | 17 | 13 | 1 | J. R. Ricks. | |
| Bay St. Louis. | Hancock. | 28 | 20 | 72.9 | - 2.1 | 90 | 31 | 53 | 24 | 27 | 5.59 | + 2.25 | 1.98 | | 0 | 10 | 19 | 8 | 4 | Brother Matthew. | |
| Biloxi. | Harrison. | 24 | 22 | 74.4 | - 1.0 | 92 | 31 | 54 | 24 | 26 | 4.22 | + 0.55 | 1.97 | | 0 | 8 | 21 | 7 | 3 | Miss M. Josie Pope. | |
| Booneville. | Prentiss. | 504 | 19 | 68.4 | - 1.5 | 94 | 31 | 47 | 23 | 34 | 2.83 | - 0.78 | 1.08 | | 0 | 8 | 11 | 17 | 3 | Dr. D. T. Price. | |
| Brookhaven. | Lincoln. | 500 | 25 | 71.8 | - 1.5 | 95 | 31 | 48 | 24 | 35 | 4.33 | + 0.21 | 1.63 | | 0 | 10 | 20 | 4 | 7 | W. J. Bee. | |
| Collins. | Covington. | | | 71.7 | | 94 | 31 | 48 | 24 | 35 | 4.54 | - 2.90 | 0.87 | | 0 | 8 | | | | G. F. Sledge. | |
| Columbia. | Marion. | 110 | 9 | | | | | | | | | | | | | 5 | 20 | 1 | 10 | N. R. Drummond. | |
| Columbus. | Lowndes. | 191 | 25 | 71.4 | - 0.8 | 96 | 31 | 48 | 24 | 40 | 4.35 | + 0.60 | 2.03 | | 0 | 8 | 20 | 4 | 7 | L. B. Love. | |
| Crystal Springs. | Copiah. | 468 | 21 | 71.3 | - 1.6 | 95 | 31 | 43 | 24 | 35 | 2.95 | - 2.07 | 1.12 | | 0 | 6 | 24 | 4 | 3 | D. H. Miller. | |
| Edinburg. | Leake. | | 5 | 70.1 | | 93 | 31 | 45 | 1 | 40 | 3.40 | - 1.74 | 0.74 | | 0 | 5 | 18 | 4 | 9 | J. Y. Blocker. | |
| Enterprise. | Clarke. | 248 | 8 | | | | | | | | | | | | | 9 | 15 | 0 | 16 | J. B. Thompson. | |
| Fulton. | Itawamba. | | 4 | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 2, South Atlantic and east Gulf States.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | | |
|---------------------|------------------|---------------|---|---|-----|-----|------|-----|-----|-----|------|----|----|----|-----|-----|-----|-----|------|-----|-----|------|------|------|------|------|------|----|-----|------|------|------|--------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| Virginia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arvonla | James. | | | | | | | .10 | | .08 | .02 | | | | .09 | | .26 | .32 | | | | | .87 | .50 | 1.90 | | | T. | .75 | | | .62 | .03 | 5.45 | | |
| Ashland | do. | | | | | | | .10 | .77 | | T. | | | | | | .11 | .47 | .11 | | | | .40 | .06 | 3.20 | | | T. | .22 | .15 | | .65 | | 4.60 | | |
| Buchanan \|\| | Chowan. | | | | | | | | | | | | | | | | .25 | .06 | .23 | | | | | 1.29 | 1.90 | | | | | .24 | 1.18 | | .31 | 7.38 | | |
| Callaville. | Coast. | | | | | | | T. | | .01 | .30 | | | | | .10 | | | | | | | | T. | 1.66 | | | | | .85 | .50 | | .26 | 4.13 | | |
| Cape Henry. | Roanoke. | | | | | | .05 | T. | | | | | | | .02 | .23 | .48 | .01 | T. | | | | | T. | 1.02 | | | | | .51 | .28 | | 1.04 | T. | 3.90 | |
| Catawba. | do. | | | | | | | | | | | | | | | .29 | | .51 | | | | | .35 | .22 | 3.00 | .30 | | | | .90 | | | .45 | 6.17 | | |
| Clarksville \|\| | James. | | | | | | | .03 | | | | | | | | | .30 | .10 | .81 | | | | | | 1.57 | | | | | .05 | .86 | | .12 | | 3.81 | |
| Columbia. | Roanoke. | | | | | | | T. | .22 | | | | | | | | | .31 | .04 | .48 | | | | .85 | 2.00 | | | | | 1.25 | .70 | | T. | .79 | 4.42 | |
| Danville \|\| | Coast. | | | | | | | T. | | | .37 | | | | | | .21 | | | | | | | T. | 2.42 | | | | | .21 | .65 | | T. | .69 | 4.42 | |
| Diamond Springs. | James. | | | | | | | T. | | | .04 | | | | | | | .75 | | | | | T. | .24 | 2.40 | | | | | .74 | .40 | | .62 | 1.13 | 5.32 | |
| Dry Bridge. | Coast. | | | | | | | | | | .35 | | | | .04 | | T. | | | | | | | T. | 1.70 | | | | | .75 | 2.00 | | .30 | 1.79 | 6.74 | |
| Hampton. | James. | | | | | | .85 | | | | 1.20 | | | | | .06 | .01 | .46 | | | | .75 | .13 | .11 | .85 | .17 | | | | .76 | .06 | | .12 | .08 | 4.41 | |
| Hot Springs. | Chowan. | | | | | .30 | | | | | | | | | | | .40 | | | | | | | | 1.90 | | | | | .60 | 1.80 | | 1.20 | .20 | 4.41 | |
| Ivor. | James. | | | | | | | | | | | | | | | | .20 | | | | | | | | 3.70 | | | | | .30 | .64 | | .55 | .35 | 5.84 | |
| Lassiter | do. | | | | | | .03 | .05 | | | | | | | | .26 | .08 | .17 | | | | | .21 | .10 | .41 | 1.47 | .44 | | | | .51 | .24 | | .03 | 4.43 | |
| Lexington. | do. | | | | | | .16 | | .22 | .02 | | | | | | | .15 | .27 | | | | | .26 | .12 | .29 | 2.25 | .27 | | | | .72 | | | .03 | 4.76 | |
| Lynchburg. | Coast. | | | | | | T. | .03 | | T. | .40 | | | | T. | | T. | .06 | .03 | | | | | T. | | 1.64 | | | | | .24 | 1.21 | .03 | 1.14 | .80 | 5.60 |
| Newport News. | do. | | | | | | T. | | .08 | .42 | | | | | T. | .10 | .42 | T. | | | | | .02 | | T. | 1.16 | | | | | .56 | .29 | | | 4.45 | |
| Norfolk. | James. | | | | | | .05 | | | .29 | | | | | | | .50 | .40 | | .35 | | | | | 60 | | | | | .58 | .29 | | | | .48 | 4.31 |
| Petersburg. | Roanoke. | | | | | | | | | .16 | | | | | | | .40 | .07 | .35 | | | | | | .22 | 2.14 | | | | .32 | .14 | | 1.03 | | .08 | 4.23 |
| Randolph \|\| | James. | | | | | | T. | .01 | | T. | T. | | | | | T. | .23 | .94 | .01 | | | | | 24 | .10 | .54 | 1.24 | | | | .78 | | .08 | | .03 | 4.80 |
| Richmond. | Roanoke. | | | | | | | | | | .16 | | | | | | .11 | .04 | .36 | T. | | 1.65 | .30 | .08 | 1.96 | .22 | | | | .55 | | | | | .08 | 5.84 |
| Roanoke. | do. | | | | | .30 | | .02 | | | | | | | | .03 | .70 | .47 | | | | | .99 | .51 | 1.84 | .96 | | | | .78 | .86 | | | | .80 | 5.84 |
| Rocky Mount. | James. | | | | | | .11 | | | .09 | | | | | .17 | .46 | .12 | .52 | | | | | | .02 | .3 | .65 | .72 | | | | 1.75 | .10 | | .67 | | 8.20 |
| Ruckersville. | Chowan. | | | | | | .28 | | .98 | | | | | | | .27 | .25 | .45 | | | | | | | | .78 | | | | | 1.75 | 1.04 | | .67 | | 8.20 |
| Runnymede (near) | Coast. | | | | | | T. | | | | | | | | T. | | .28 | .53 | T. | | | | | | | | | | | .49 | .54 | .03 | 1.32 | .07 | 4.71 | |
| West Point. | James. | | | | | | .15 | | | | .55 | | | | T. | | .40 | .72 | .65 | | | | | .18 | | 1.40 | | | | T. | .70 | | 2.35 | | 7.10 | |
| Williamsburg. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Carolina. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albemarle | Pedee. | | | | | | | | .26 | | | | | | | .02 | .13 | .26 | | | | .15 | | .06 | .18 | 2.42 | | | | .83 | .22 | | | | 4.53 | |
| Beaufort. | Coast. | | | | | | | | .02 | .06 | .02 | | | | | | .11 | .16 | | .16 | | | | | | .85 | | | | .27 | 1.49 | | .35 | | 3.51 | |
| Belhaven. | Pungo. | | | | | | .03 | | | | | | | | | | .30 | | | | | .80 | .70 | | .02 | .63 | | | | | .03 | 1.00 | | | 3.51 | |
| Brewers. | Pedee. | | | | | T. | .04 | .44 | .11 | | | | | | | .61 | .17 | .01 | | .03 | .74 | .90 | 1.17 | 3.06 | | .09 | | | | .1 | | | | 5.06 | | |
| Caroleen. | Santee. | | | | | | T. | .03 | | | | | | | | | .25 | .13 | | .70 | | | .05 | .01 | 1.25 | .68 | | | | .81 | | | | 8.72 | | |
| Chalybeate Springs. | Cape Fear. | | | | | | | | | .25 | | | | | | T. | .05 | .12 | | | | | | | | 1.02 | | | | .85 | .14 | | | .17 | 2.69 | |
| Chapel Hill. | do. | | | | | | .57 | | | .31 | | | | | | .10 | .03 | .18 | | | | | | | | | | | | .65 | .29 | | | | 3.16 | |
| Charlotte. | Santee. | | | | | | .04 | .11 | | | | | | | | T. | .14 | .47 | | .02 | T. | .84 | .07 | 1.06 | | | | | | .59 | .01 | | | | 3.77 | |
| Durham (near). | Neuse. | | | | | | .10 | | | | | | | | | | .40 | | | | | | | | | | | | | .68 | .46 | | | | 2.69 | |
| Eagletown. | Chowan. | | | | | | T. | T. | | .06 | | | | | | .06 | | .32 | 1.08 | | | | | T. | T. | 1.15 | | | | .93 | .13 | | T. | | 3.73 | |
| Edenton. | Coast. | | | | .30 | .10 | | | | .25 | .10 | | | | T. | .10 | T. | .45 | .40 | .40 | .70 | | .20 | | T. | 2.00 | | | .60 | .70 | | .35 | | 1.00 | 6.45 | |
| Elizabeth City. | Pasquotank. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.00 | |
| Elizabethtown \|\| | Cape Fear. | | | | | | .18 | | | .25 | .10 | | | | | | | .45 | .40 | | | | | | | | | | | .40 | 1.07 | | | | 3.01 | |
| Elkin \|\| | Pedee. | | | | | | | .16 | | .16 | | | | | | | | .14 | .33 | | | | | | | .93 | | | | 1.27 | | | | | 5.04 | |
| Enfield (near) \|\| | Tar. | | | | | | | | | | | | | | | | | .14 | .85 | .15 | | | | | | | | | .22 | .48 | 1.39 | .98 | | | 2.83 | |
| Fayetteville \|\| | Cape Fear. | | | | | | | .14 | | | | | | | | | | .72 | .05 | | | | | | | 1.00 | | | | .65 | .07 | | .44 | | 2.66 | |
| Goldsboro \|\| | Neuse. | | | | | | 2.45 | T. | T. | | | | | | | | .04 | .10 | .09 | | | | | .17 | | .65 | | | | .72 | .05 | | | | 2.66 | |
| Graham \|\| | Cape Fear. | | | | | | .72 | .02 | .27 | | | | | | | | .27 | .30 | .05 | | | | | | | | | | | .02 | 2.75 | .01 | | | 6.63 | |
| Greensboro \|\| | do. | | | | | | | | | .72 | | | | | | | | .64 | .05 | | | | | | | | | | | .02 | .60 | .04 | | .04 | 4.04 | |
| Greenville \|\| | Tar. | | | | | | .22 | | | .72 | | | | | | | | .64 | .05 | | | | | | | | | | | .02 | 2.75 | .01 | | | 5.47 | |
| Hatteras. | Coast. | | | | | | | | .02 | .03 | | | | | | | .16 | .04 | | | | | | | | | | | | .11 | | | .10 | | 4.23 | |
| Henderson. | Tar and Roanoke. | | | | | | .06 | T. | .12 | T. | | | | | | .04 | .04 | .18 | .06 | | | | | | | .21 | 1.15 | | | .75 | .81 | | .01 | | 3.08 | |
| Hickory. | Santee. | | | | | | | | | | | | | | | | | | | | | | | | | .06 | .84 | | | 1.05 | .22 | | | | 2.67 | |
| Kings Mountain. | do. | | | | | | .01 | .29 | | | | | | | | T. | | .08 | .36 | | | | .40 | | 1.01 | .22 | | | | .77 | | | | | 3.14 | |
| Kinston. | Neuse. | | | | | | | .15 | | | | | | | | | .24 | .26 | | | | | .12 | .08 | .05 | .80 | | | | 1.34 | | | | | 3.04 | |
| Lincolnton. | Santee. | | | | | | | .62 | | .12 | | | | | | | | | | | | | | | | .09 | | | | .43 | .64 | .02 | | | 2.70 | |
| Louisburg \|\| | Tar. | | | | | | 1.36 | | | | | | | | | .23 | .82 | .24 | .08 | | | | | .42 | | .52 | | | | 1.05 | | | | | 4.48 | |
| Lumberton \|\| | Lumber. | | | | | | .15 | | | T. | | | | | | | .47 | .24 | .04 | | | | | | | | | | | T. | .80 | .06 | | | 3.76 | |
| Manteo. | Coast. | | | | | | | .11 | .01 | | | | | | | | | .04 | | | | .20 | | .61 | | 1.65 | | | | .61 | .76 | | | | 3.58 | |
| Marion. | Santee. | | | | | | | .10 | | | | | | | | | .06 | .28 | | | | | | | | .34 | .66 | | | | .06 | .68 | | .42 | .62 | 3.22 |
| Middletown. | Coast. | | | | | | .47 | .15 | .01 | | | | | | .04 | T. | .07 | .20 | .07 | | .52 | | .04 | .02 | 4.34 | | | | | .96 | | | | | 6.64 | |
| Moncure \|\| | Cape Fear. | | | | | | .05 | .08 | | .26 | | | | | | | | .28 | .15 | | | | | | | | | | | 1.60 | .12 | | | | 3.10 | |
| Monroe. | Pedee. | | | | | | | | | | | | | | | | .07 | .36 | .05 | | | | | | | | | | | | 1.25 | .07 | | .02 | 3.00 | |
| Morganston. | Santee. | | | | | T. | | .08 | | | | | | | | | | .46 | | | | | | | T. | .15 | | | | .83 | .13 | | | | 3.00 | |
| Mount Airy. | Pedee. | | | | | T. | | .50 | .12 | | | | | | | .11 | .37 | .78 | | | | | | | 1.16 | .65 | 2.91 | | | .96 | | | | | 4.62 | |
| Mount Holly \|\| | Santee. | | | | | | | .22 | | | | | | | | | .30 | | | | | | | | | | | | | .80 | | | | | 7.40 | |
| Nashville \|\| | Tar. | | | | | | | .03 | T. | | | | | | | T. | .47 | .45 | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 2—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | |
|-----------------------|-------------------|---------------|---|-----|-----|-----|-----|------|-----|-----|-----|-----|----|-----|------|-----|-----|------|-----|-----|------|------|------|------|-------|------|------|------|------|-----|------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| South Carolina—Con. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Batesburg \|\|..... | Edisto..... | | | | | | | .09 | | | | | | | | | .15 | T. | | .65 | | .23 | | .62 | | | | | | | | T. | 1.74 | |
| Beaufort..... | Coast..... | | | | | | | | | | .70 | | | | | | | | | | | | | | | | .87 | | | | | | T. | 1.75 |
| Blackville \|\|..... | Edisto..... | | | .35 | | | | | | | | | | | | | .06 | .03 | .07 | | .03 | | 1.30 | | .15 | | | .02 | .06 | | | | T. | 1.75 |
| Blairs \|\|..... | Broad..... | | | | | | | | | | | | | | | | | | | | .37 | .06 | | | .80 | | | | .15 | | | | 1.38 | |
| Bowman..... | Edisto..... | | | .20 | .07 | | | | | | | | | | | | .05 | .07 | | | .12 | .06 | | .04 | .18 | | | .58 | | | | | 1.37 | |
| Broxton \|\|..... | Salkehatchie..... | | | .10 | .12 | .20 | | | | | | | | | | | | .18 | | | | | .90 | | 1.00 | | | .32 | | | | | 2.02 | |
| Calhoun Falls \|\|..... | Savannah..... | | | | | | | | | | | | | | | | | | .04 | | .49 | | .34 | .46 | | | | .70 | | | | | 2.02 | |
| Camden \|\|..... | Waterlee..... | | | .18 | | | | | | | | | | | | | .15 | .06 | | | | .07 | .35 | .70 | .07 | | | .84 | | | | | 2.42 | |
| Catawba \|\|..... | Catawba..... | | | | | | | | .06 | | | | | | | | | | .13 | | 1.00 | | .16 | .24 | 1.01 | | | .08 | 2.24 | | | | 5.5 | |
| Chappells..... | Saluda..... | | | | | | | | | | | | | | | | | | | | | | | .29 | | | | | 1.10 | | | | 1.36 | |
| Charleston..... | Coast..... | | | | | | | T. | | T. | .01 | | T. | | | | | .03 | T. | | | | T. | | | | | .15 | | | | T. | 1.36 | |
| Cheraw \|\|..... | Pedee..... | | | .07 | | | | | | | | | | | | | .01 | .07 | .04 | | .42 | | .02 | | .58 | .03 | | .06 | .30 | | | | T. | 1.60 |
| Clemson College..... | Savannah..... | | | | | | | | | | .18 | | | | | | .40 | .12 | .40 | .18 | | .09 | .30 | | .94 | | | .95 | | | | | 3.56 | |
| Columbia..... | Congaree..... | | | | | | .04 | | | | | | | | | | .03 | T. | .11 | | | T. | .70 | | T. | .06 | | .06 | | | | T. | 1.00 | |
| Conway \|\|..... | Waccamaw..... | | | | | | | | | | | | | | | | | | | | | | | | .47 | .20 | | T. | 1.70 | T. | | T. | 2.47 | |
| Darlington \|\|..... | Pedee..... | | | .50 | .06 | | | | | | | | | | | | | | .10 | | | | .20 | | | | | | | | | | 2.22 | |
| Dillon..... | Little Pedee..... | | | .06 | .09 | | | | | | | | | | | | T. | .10 | .03 | | .17 | | .08 | .22 | | | | 3.06 | | | .01 | 2.22 | | |
| Edisto \|\|..... | Edisto..... | | | .30 | | | | | | | | | | | | | | | | | | | | | .23 | | | | | | | | 1.41 | |
| Effingham \|\|..... | Lynches..... | | | | | | | T. | .10 | | | | | | | | | .30 | T. | | | T. | | | | | | | 1.60 | | | | 2.80 | |
| Ferguson \|\|..... | Santee..... | | | | | | | T. | | | | | | | | | | | .08 | | | | | | | | | | 1.20 | | | | 1.38 | |
| Florence \|\|..... | Pedee..... | | | | | | | .23 | .03 | | | | | | | | T. | T. | .06 | T. | .23 | T. | T. | | .31 | .06 | | T. | 1.41 | .05 | | | 2.32 | |
| Gaston Shoals \|\|..... | Broad..... | | | | | | | .11 | | | | | | | | | T. | .32 | .06 | T. | | .06 | T. | .20 | .64 | T. | | | .18 | .44 | | | 2.01 | |
| Georgetown..... | Coast..... | | | | | | | | | | | | | | | | | .15 | | | | | .01 | | .25 | | | .75 | | | | | 2.74 | |
| Greenville \|\|..... | Saluda..... | | | | | | .01 | | | | | | | | | | .07 | .50 | .03 | | | | | | 1.72 | .15 | | .07 | .16 | | | | 1.61 | |
| Greenwood \|\|..... | do..... | | | | | | | | | | | | | | | | .07 | .50 | .03 | | | .38 | | .17 | .18 | | | .88 | | | | 2.74 | | |
| Heath Springs..... | Waterlee..... | | | | | | | | | | | | | | 1.00 | | .46 | | | | .80 | .04 | .09 | | .62 | | .35 | | | | | 3.26 | | |
| Kingstree \|\|..... | Black..... | | | | | | | T. | | | | | | | | | .26 | .07 | | | .13 | T. | .60 | | .06 | | | | 1.55 | | | | 2.67 | |
| Liberty..... | Savannah..... | | | | | | | | | .10 | T. | | | | .25 | .20 | .30 | T. | | | | T. | .40 | .25 | | | T. | .50 | | | | T. | 1.60 | |
| Little Mountain..... | Saluda..... | | | | | | | T. | | | | | | | | | .15 | | | | | .08 | .08 | .25 | | | | .75 | | | | 2.16 | | |
| Meriwether..... | Savannah..... | | | | | | | | | | | | | | | | .32 | | | | | .15 | T. | .46 | T. | .21 | T. | | .33 | | | | 1.30 | |
| Monetta..... | Edisto..... | | | | | | | .61 | | | | | | | | | .32 | | | | | | .09 | .10 | T. | .13 | | .01 | | | | | 1.26 | |
| Newberry..... | Saluda..... | | | | | | | | | | | | | | | | .05 | | | | T. | .22 | | .06 | .56 | | .43 | | | | | | 1.35 | |
| Pelzer \|\|..... | do..... | | | | | | | | | | | | | | | | T. | .32 | .10 | | | .18 | | | .96 | .30 | | | | | | | 2.20 | |
| Pinopolis..... | Cooper..... | | | | | | | | | | | | | | | | .20 | | | | | | | | .12 | | | 1.60 | | | | | 1.92 | |
| St. George \|\|..... | Edisto..... | | | | | | | T. | .82 | | | | | | | | | | | | | | | .50 | | | | | .50 | | | | 3.15 | |
| St. Matthews \|\|..... | Santee..... | | | | | | | .50 | | | | | | | | | | | | | | | | | .60 | | | | 1.55 | | | | 2.10 | |
| Saluda..... | Saluda..... | | | | | | | | | | | | | | | .50 | | | | | | .65 | .15 | .20 | .30 | | | .30 | | | | | 2.16 | |
| Santee..... | Broad..... | | | | | | .01 | | | | | | | | | | T. | T. | | .16 | | T. | .28 | T. | .18 | .97 | | | .12 | | | | 3.77 | |
| Smiths Mills \|\|..... | Pedee..... | | | | | | | | | .08 | .62 | | | | | | | .05 | | | | | .11 | .01 | .50 | | .67 | .08 | .55 | | | | 1.92 | |
| Society Hill..... | do..... | | | .25 | .03 | | | | | | | | | | | | | .05 | | | | .26 | .11 | .18 | T. | .32 | 1.08 | | .06 | .10 | | | 2.64 | |
| Spartanburg \|\|..... | Broad..... | | | | | | | T. | T. | .44 | | | | | | | .12 | .05 | | | | .39 | .11 | .26 | .27 | .08 | | | .56 | | | | 1.30 | |
| Summerville..... | Ashley..... | | | | | | | | | | | | | | | | .35 | | | | | .13 | .12 | .05 | | .31 | | .22 | | | | T. | 1.42 | |
| Sumter..... | Black..... | | | | | | | | | | | | | | | | | | | | | | | | | | | .28 | | | | | 1.12 | |
| Trenton..... | Edisto..... | | | | | | | | | | | | | | | | | | | | | | | | | | | .22 | | | | | .04 | |
| Walterboro..... | Walterboro..... | | | .75 | .32 | .45 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.62 | |
| Winnsboro..... | Ashepoo..... | | | | | | | | | | | | | | | | T. | .60 | | | | T. | .20 | .15 | | | | .50 | | | | | 1.85 | |
| Winthrop College..... | Broad..... | | | | | | | | | | | | | | | | .35 | .28 | | | 1.19 | .97 | .95 | .72 | .23 | .75 | | 1.21 | | | | | 6.65 | |
| Yemassee \|\|..... | Combahee..... | | | | | | | | .30 | | .52 | | | | | .03 | | | | | T. | .06 | | | | | | | .15 | | | | 1.88 | |
| Georgia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abbeville \|\|..... | Ocmulgee..... | | | | | | | T. | T. | | .05 | T. | T. | | | | | T. | .12 | | | .21 | | .04 | .23 | | | | | | | | 0.65 | |
| Adairsville..... | Coosa..... | | | | | | | | | | | | | | | | .76 | | | | | T. | .90 | 1.81 | | | | | | | 1.10 | | 4.57 | |
| Albany \|\|..... | Flint..... | | | | | | | T. | | | | T. | T. | .52 | | | | .15 | .07 | | | .02 | .12 | .06 | .83 | | | | | | | | 1.77 | |
| Allapaha \|\|..... | Allapaha..... | | | | | | | | | .06 | | | | | | | | .12 | .40 | | | | | .03 | .36 | | | | | | | | 0.99 | |
| Americus \|\|..... | Flint..... | | | | | | | | | | | .15 | | | | | | .08 | .10 | | | .33 | | .60 | | | | | | | | | 1.26 | |
| Athens \|\|..... | Oconee..... | | | | | | | | | | | | | | | | | .33 | .34 | | | .73 | | | | | | | | | | | 2.92 | |
| Atlanta..... | Chat'ho'chee..... | | | | | | .04 | T. | | | | | | | | | .82 | | | | .39 | .05 | | .89 | .89 | | | .07 | | | | | 3.62 | |
| Augusta..... | Savannah..... | | | | | | | | | | .25 | | | | | .02 | .02 | .22 | | | .12 | | .01 | .05 | .01 | | | .07 | | | | | 4.5 | |
| Bainbridge \|\|..... | Flint..... | | | | | | | | | | | .24 | T. | | | | .04 | | | | T. | | | .58 | .14 | | | .02 | | | | | 0.74 | |
| Butler \|\|..... | do..... | | | | | | | | | | | | | | | | .40 | | | | T. | | | | .40 | | | | | | | | 2.36 | |
| Camak \|\|..... | Savannah..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.26 | |
| Canton \|\|..... | Coosa..... | | | | | | T. | .20 | | | | | | | | | | | | | | 2.00 | | .30 | .10 | | | | | | | | 4.20 | |
| Carlton \|\|..... | Savannah..... | | | | | | | | | | | | | | | | .59 | T. | | | | .08 | | 1.55 | .31 | | | T. | .06 | | | | 2.79 | |
| Clayton..... | do..... | | | | | | .26 | T. | T. | | | | | | | | .22 | .26 | | | | .23 | | | .28 | | | .33 | | | | | 1.61 | |
| Columbus \|\|..... | Chat'ho'chee..... | | | | | | | | | | | | | | | | | | | | | | T. | 2.65 | | | .42 | | | | | | 4.19 | |
| Concord..... | Flint..... | | | | | | .02 | | | | | .06 | T. | | | | .61 | 1.17 | | | | .22 | | | .79 | | | | | | | | 2.63 | |
| Covington \|\|..... | Ocmulgee..... | | | | | | | | | | | | | | | | .85 | .35 | | | | | | .56 | .75 | | | | | | | | 2.50 | |
| Dahlonega..... | Chat'ho'chee..... | | | | | | | .18 | T. | .01 | | | | | | | .44 | | | | .11 | | | .60 | .15 | | | | | | | | 2.05 | |
| Diamond..... | Tennessee..... | | | | | | .01 | 1.50 | | | | | | | | | .24 | .03 | .44 | | | .11 | | | 10.29 | | | T. | .14 | | | | 3.54 | |
| Dublin \|\|..... | Oconee..... | | | | | | | .25 | | | | .34 | | | | | .02 | .48 | | | .49 | .27 | | | .45 | 2.12 | | | .31 | | | | 5.67 | |
| Eastman \|\|..... | Ocmulgee..... | | | | | | | | | | | | | | | | | | | | | .57 | T. | .25 | | | | | | | | | 1.47 | |
| Eatonton..... | Oconee..... | | | | | | | | | | | | | | | | | .01 | | | .11 | T. | .01 | | .02 | .04 | | | | | | | 0.19 | |
| Elberton..... | Savannah..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 2—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|-------------------------|--------------------|---------------|-----|---|---|----|------|------|-----|------|------|------|------|------|-----|------|-----|------|-----|------|------|------|-----|------|------|------|------|------|-----|-----|-----|----|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Georgia—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Point Peter..... | Savannah..... | | | | | | | | | | | | | | | | | .50 | | .38 | | | | | .77 | | | | | | | | 2.03 |
| Foulan..... | Suwanee..... | | | | | | | | .63 | .04 | | | .08 | | | | | .20 | | | | | .12 | .30 | .25 | | | | | | | | 1.62 |
| Quitman II..... | do..... | | | | | | | | | | | | | .70 | | | | .42 | .71 | | .07 | | | .52 | .63 | | | | | | | | 3.05 |
| Ramhurst..... | Coosa..... | | | | | | | .62 | .34 | | | | T. | | | | .02 | .55 | | | | | .93 | 1.35 | | | | .06 | | | .60 | | 4.47 |
| Resaca II..... | do..... | | | | | | | .24 | .15 | | | | | | | | | .50 | | | | .45 | | .20 | .04 | | | | | | | | 3.42 |
| Rome II..... | do..... | | | | | | | .25 | .03 | | | | | | | | | .81 | | | .35 | | .23 | .12 | | | | | | | | | 3.88 |
| St. George II..... | St. Marys..... | | | | | | | | | .25 | | 1.47 | T. | | | | | .25 | | .18 | .65 | | .35 | T. | | | | | | | | | 3.15 |
| Savannah..... | Savannah..... | | | | | | | | | .11 | .06 | | T. | | | .56 | | .08 | | | | .04 | | .11 | .05 | | | .27 | | | T. | | 1.28 |
| Statesboro..... | Ogeechee..... | | | | | | | .19 | .50 | .17 | .01 | | | | | | T. | T. | | | | .41 | | .35 | | | | | | | | | 1.56 |
| Talbotton..... | Chat'ho'chee..... | | | | | | | | .03 | | | | | .06 | | | | .56 | .03 | | | | .06 | .41 | | | | | | | | | 1.15 |
| Tallapoosa II..... | Tallapoosa..... | | | | | | T. | .11 | .17 | | | | | | | | T. | .61 | | | | | * | 1.46 | | | | | | | | | 2.35 |
| Thomasville..... | Ocklocknee..... | | | | | T. | | | .04 | T. | T. | | .83 | | .14 | T. | T. | .95 | | .03 | .08 | | T. | .53 | | | | | | | .27 | | 2.87 |
| Toccoa II..... | Savannah..... | | | | | | | | .40 | | | | | | | | | .24 | .10 | | | 1.15 | .10 | T. | 1.18 | .50 | | | | | | | 2.53 |
| Valdosta II..... | Suwanee..... | | | | | | | | | T. | | T. | | | | | | .85 | | | | T. | | | .85 | | | | | | | | 2.05 |
| Valonia..... | Coast..... | | | | | | | | | 1.34 | 1.50 | | | | | | .10 | | | | | | | | .30 | | | | | | | | 3.79 |
| Washington II..... | Savannah..... | | | | | | | .05 | T. | .07 | | | | | | | | .30 | .10 | | 1.20 | | | | .34 | .10 | | | | | | | 2.16 |
| Waycross II..... | Satilla..... | | | | | | | | T. | | | .25 | | | | | | | .11 | | | .03 | .54 | | .28 | | | | | | | | 1.21 |
| Waynesboro II..... | Savannah..... | | | | | | | | .20 | 1.45 | .12 | | | | | | | .02 | | | | T. | | | .03 | | | | .15 | | | | 1.97 |
| West Point II..... | Chat'ho'chee..... | | | | | | | | | | | | .09 | | | | | .88 | T. | | .98 | | | .22 | .70 | | | | | | | | 2.87 |
| Woodbury II..... | Flint..... | | | | | | | | T. | | | | | | | | | .25 | .53 | | .30 | | | | .86 | .70 | | | | | | | 2.04 |
| Florida. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apalachicola..... | Coast..... | | | | | | | | | | .10 | .10 | .40 | | | | | .90 | | | | | | 1.25 | .20 | | | | | | | | 2.95 |
| Arcadia..... | Peace Creek..... | | | | | | | | .37 | | | .11 | .16 | .11 | | | | | | | | 1.65 | .08 | | 1.20 | .04 | | .16 | | | | | 3.88 |
| Avon Park..... | Kissimmee..... | T. | | | | | | | .93 | .12 | | .07 | 2.95 | .05 | | | | | .02 | .18 | | | .39 | .09 | .92 | | .07 | | | | | | 6.30 |
| Bartow II..... | Peace Creek..... | | | | | | | | .07 | .15 | | .38 | .63 | | | | | | .83 | | .16 | .33 | | .03 | .25 | | | | | | | | 2.83 |
| Bassenger..... | Kissimmee..... | | | | | | | .35 | | 1.00 | | 1.50 | 1.50 | .95 | | | | | | .65 | | | T. | .60 | | | | | | | | | 6.55 |
| Bradentown..... | Manatee..... | T. | | | | | | | | | | | | 1.60 | | | | | .09 | | | | | .13 | .70 | | | | | | | | 2.52 |
| Bristol..... | Apalachicola..... | | | | | | | | | | | | | | | 1.20 | | | .76 | | | | | 1.30 | | | | | | | | | 3.26 |
| Brooksville..... | Withlac'hee..... | | | | | | | .20 | | | | | | | | | | .15 | | | | | | .18 | 1.22 | | | | | | | | 1.75 |
| Carrabelle..... | Coast..... | | | | | | | | | | | | .15 | | | | | .80 | | | | | | 1.10 | .40 | | | | | | | | 2.45 |
| Cedar Keys..... | do..... | | | | | | | .45 | | | | | | | | | | .12 | | | | | | .13 | .26 | | | | | | | | 1.48 |
| Clermont..... | Lake..... | | | | | | | | | | | .32 | | | | | | | | | | | | | .28 | .27 | | | | | | | 1.33 |
| Crescent City..... | St. Johns..... | | | | | | | | | .05 | .01 | .03 | | | | | | .12 | .05 | | | .02 | | .06 | .57 | | | | | | | | 0.91 |
| De Land..... | do..... | | | | | | | | | .27 | | | 1.05 | .13 | | | | | | .09 | | | | | .45 | .43 | | | | | | | 1.97 |
| Eustis II..... | Lake..... | | | | | | | | .02 | | | .61 | | | | | | .04 | | | | | | .11 | .50 | | | | | | | | 2.06 |
| Federal Point..... | St. Johns..... | | | | | | | | .04 | T. | .16 | .03 | | | | | | .57 | .02 | | | | | .16 | .20 | .22 | | | | | | | 1.43 |
| Fellsmere II..... | Sebastian..... | | | | | | | .10 | .34 | T. | .01 | 1.00 | | | | | .14 | .97 | .79 | .30 | .03 | | T. | .16 | .20 | .22 | | | | | | | 4.26 |
| Fort Lauderdale II..... | New..... | | .32 | | | | | | | | | .92 | 1.25 | 1.50 | | | | | .43 | | | | | .07 | 1.25 | .08 | 2.35 | .65 | .52 | | | | 9.34 |
| Fort Meade..... | Peace Creek..... | | | | | | | .66 | .60 | | | .93 | 1.00 | | | | | | | | | | | .94 | T. | | | | | | | | 4.13 |
| Fort Myers..... | Caloosah'chee..... | | | | | | .37 | | | | | .15 | | | | | | .01 | T. | | .17 | | | .89 | .58 | | .92 | | .17 | | | | 3.26 |
| Fort Pierce..... | Indian..... | | | | | | | | .21 | .07 | 1.07 | | | | | | .25 | .06 | .43 | .03 | | | | .61 | .45 | .37 | | .03 | | | | | 3.58 |
| Gainesville II..... | Lake..... | | | | | | | | .07 | .05 | T. | T. | .35 | | | | | | .75 | | | | | 1.45 | | | | | | | | | 2.67 |
| Garniers (near)..... | Coast..... | | | | | T. | | | .02 | .46 | | .05 | T. | .60 | | | | 1.07 | | | | | .02 | | | | | | | | | | 2.98 |
| Grasmere..... | Lake..... | | | | | | | .10 | | .02 | | | 1.27 | | | | | | | | | .55 | T. | .39 | .02 | | | | | | | | 2.33 |
| Griffin..... | New..... | .05 | | | | | | | | | | 2.35 | .33 | | | | | | | .60 | | | | .07 | 1.15 | 1.45 | | .18 | | | | | 6.18 |
| Hilliard..... | Nassau..... | | | | | | | .16 | | .25 | | | | | | | | | | | | | | .23 | .25 | | | | | | | | 1.26 |
| Homestead..... | Coast..... | | | | | | | | .64 | | | | .76 | | | | | | | | | | | | 1.32 | .59 | 1.89 | 1.63 | | | | | 7.33 |
| Hypoluxo..... | Lake..... | | | | | | | | | .17 | .89 | .76 | | | | .08 | | .08 | | | | | | .07 | 1.65 | .81 | .03 | .11 | .02 | | | | 4.67 |
| Inverness II..... | Withlac'hee..... | | | | | | .49 | .25 | .06 | | .20 | .40 | | | | | | .35 | | | .25 | | | .19 | .72 | | | | | | | | 2.91 |
| Jacksonville..... | St. Johns..... | | | | | | | .04 | | .16 | .09 | T. | T. | | | | | .24 | T. | | .25 | | T. | .53 | | | | | | | | | 1.06 |
| Jasper..... | Suwanee..... | | | | | | .05 | | .75 | | | | | | | T. | | 1.10 | .05 | 1.55 | .05 | | | .10 | | | | | | | | | 3.65 |
| Johnstown..... | do..... | | | | | | | | .05 | | .05 | 1.71 | | | | | | .25 | | 1.35 | | | | | .45 | | | | | | | | 3.86 |
| Key West..... | Coast..... | T. | | | | | | | | .35 | T. | | 1.45 | | .59 | | | | T. | | | | T. | .01 | .39 | .95 | 1.20 | .17 | | .04 | | | 3.46 |
| Kissimmee..... | Kissimmee..... | | | | | | | | | .30 | .15 | .05 | | .15 | | | | .10 | | .70 | | .12 | | | .16 | .25 | .10 | | | | | | 2.43 |
| Lake City II..... | Suwanee..... | | | | | | | | | .30 | .15 | .05 | | .15 | | | | .10 | | .70 | | | | .16 | .25 | .10 | | | | | | | 2.05 |
| Live Oak..... | do..... | | | | | | 1.02 | .51 | .25 | .02 | | .15 | | .05 | | .06 | .63 | | | .10 | .05 | | | .18 | .39 | | | | | | | | 3.41 |
| Lock No. 1..... | New..... | | | | | | | | | .10 | .65 | 1.45 | .08 | | | | | .65 | .02 | | | | .01 | .42 | .82 | 2.20 | | .14 | | | | | 6.80 |
| Lucerne Park..... | Peace Creek..... | | | | | | | .20 | .26 | .12 | 1.20 | 1.10 | | | | | | .08 | | .12 | .35 | .19 | | .12 | .80 | | | | | | | | 4.54 |
| Macclenny..... | St. Marys..... | | | | | | | 1.33 | | .09 | .04 | .70 | .58 | | | | | .35 | .40 | .06 | | | | .03 | .16 | | | | | | | | 2.54 |
| Madison II..... | Suwanee..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 2—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|----------------------|--------------|---------------|---|---|-----|------|------|------|-----|-----|-----|-----|------|-----|-----|------|------|------|-----|-----|------|------|------|------|------|------|-----|----|----|----|----|----|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Alabama—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calera II | Coosa | | | | | | | | T. | | | | .15 | | | | | .38 | | | | | .20 | .30 | 1.87 | | | | | | | | 2.90 |
| Camp Hill | Tallapoosa | | | | | | | | | | | | | | | | .05 | 1.00 | | | | | | .45 | .68 | | | | | | | | 2.18 |
| Citronelle | Alabama | | | | | | 2.14 | | | .46 | | .59 | | | | | .25 | | | | | .10 | 3.20 | .78 | | | | | | | | | 7.52 |
| Clanton II | Coosa | | | | | | | .32 | | .10 | | .03 | | | | | | .48 | | | | .10 | .04 | .06 | 1.47 | .02 | | | | | | | 2.62 |
| Cochrane | Tombigbee | | | | | | | | | | | | | | | | .29 | 1.70 | | | | | | 5.20 | 2.41 | | | | | | | | 9.60 |
| Cordova | Bl'k Warrior | | | | | | | | | | | | | | | | .25 | .55 | | | | 1.47 | | 2.02 | 2.70 | | | | | | | | 6.99 |
| Cullman | do. | | | | .10 | | | | | | | .15 | | | | | .14 | | | T. | 2.00 | 1.65 | 2.25 | | | | | | | | | | 6.79 |
| Dadeville II | Tallapoosa | | | | | | | T. | | T. | | T. | | | | | 2.15 | | | | | | | 1.05 | .05 | | | | | | | | 50 |
| Daphne | Coast | | | | | | | | .20 | | T. | T. | 2.10 | | | | .45 | T. | | | | | | .40 | 1.03 | | | | | | | | 3.25 |
| Demopolis II | Tombigbee | | | | | | | .18 | | .10 | | | | | | | .35 | | | | | | | .40 | 2.13 | | | | | | | | 4.18 |
| Dothan | Coast | | | | | | | | .11 | | | .03 | | | | .04 | | | | | | | | .14 | .76 | | | | | | | | 3.16 |
| Eufaula II | Chat'ho'chee | | | | | | T. | .34 | T. | | .10 | T. | | | | | .24 | .08 | | | T. | | | | .04 | .88 | | | | | | | 1.08 |
| Evergreen | Escambia | | | | | | | T. | T. | | .15 | | .24 | .44 | | | .82 | | | | | | | .90 | | | | | | | | | 1.68 |
| Flomaton II | do. | | | | | | T. | | T. | T. | .56 | T. | | | T. | | .89 | | | | | | | .66 | .26 | | | | | | | | 2.55 |
| Fort Deposit | do. | | | | | | | .01 | .12 | T. | .05 | | | | T. | | | | | | | | | | | | | | | | | | 2.37 |
| Gadsden II | Coosa | | | | | | | | | | | | | | | | .20 | | | | | | | | | | | | | | | | 0.78 |
| Goat Rock | Chat'ho'chee | | | | | | | | | .04 | .05 | .05 | T. | | | | .11 | .55 | | | | | | T. | .10 | .49 | | | | | | | 3.16 |
| Goodwater | Coosa | | | | | | | | | | .15 | | | | | | .84 | | | | | .14 | | 1.45 | .10 | | | | | | | | 1.39 |
| Greensboro | Bl'k Warrior | | | | | | | | | | .36 | | .53 | | | 1.21 | .16 | .57 | | | | .06 | .33 | 1.48 | | | | | | | | | 3.10 |
| Greenville | Escambia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.70 |
| Hamilton | Tombigbee | | | | | | | | | .08 | | .03 | .02 | | .18 | .02 | .38 | | | | | | 1.05 | 1.35 | .70 | | | | | | | | 0.97 |
| Healing Springs II | do. | | | | | T. | | .08 | | | .17 | .09 | | | | | .72 | | | | .01 | | .03 | | 1.96 | | | | | | | | 3.81 |
| Highland Home | Escambia | | | | | | | 1.65 | | .05 | | .08 | | | | | .30 | .29 | | | | | | .21 | .07 | | | | | | | | 3.06 |
| Livingston II | Tombigbee | | | | | | | .11 | | | | | | | | | .32 | .65 | | | | | | .55 | 2.15 | | | | | | | | 2.65 |
| Lock No. 4 | Coosa | | | | | | | | | | | | | | | | .80 | | | | | .30 | | .87 | 1.10 | | | | | | | | 3.78 |
| Maple Grove | do. | | | | | T. | T. | | | | | .05 | | | | | .35 | | | | | .05 | T. | 1.85 | .09 | | | | | | | | 3.07 |
| Mentone | do. | | | | | | T. | | | | | | | | | | .74 | | | | | | .36 | | 2.06 | .14 | | | | | | | 21 |
| Milstead II | Tallapoosa | | | | | | | | | | | .26 | .01 | | | | .38 | | | | | | | | .84 | | | | | | | | 3.30 |
| Mobile | Coast | | | | | | | | | | | | .32 | | | | .95 | | | | | | | .33 | .56 | | | | | | | | 1.82 |
| Montgomery | Alabama | | | | | | T. | | | T. | T. | .70 | | | | .01 | .38 | | | .04 | | T. | | | .12 | .59 | | | | | | | 1.59 |
| Newbern | Bl'k Warrior | | | | | | .45 | | | | .17 | | | | .11 | | .25 | | | | | | .02 | 1.26 | | | | | | | | | .02 |
| Oneonta | do. | | | | | | .09 | | | | | | | | | | .48 | | | | | | | | | | | | | | | | 2.38 |
| Opelika II | Tallapoosa | | | | | | | | T. | | | | .23 | | | | .18 | | | | | | 1.32 | | .17 | .55 | | | | | | | 3.87 |
| Ozark II | Coast | | | | | | | | T. | T. | | .45 | | | | | .70 | | | | | | .35 | T. | | .35 | .60 | | | | | | 2.45 |
| Prattville | Alabama | | | | | | | .16 | .15 | | | .48 | | | | | .25 | .28 | | | | | .47 | | .60 | | | | | | | | 2.45 |
| Pushmataha | Tombigbee | | | | | 1.05 | | | | | .20 | T. | | | | | .52 | .07 | | | | .12 | | .82 | | 1.42 | | | | | | | 2.39 |
| Robertsdale | Coast | | | | | | .03 | | | .15 | T. | .13 | | | | .08 | .83 | | | | | | .04 | | .38 | .39 | | | | | | | 4.20 |
| Selma II | Alabama | | | | | | | .12 | | .18 | T. | .68 | | | | | | | | | | | | .38 | 1.62 | | | | | | | | 2.03 |
| Springhill II | Coast | | | | | | | .08 | | | .62 | .10 | | | | | .55 | .50 | | | | | | | 1.30 | | | | | | | | 3.00 |
| Talladega | Coosa | | | | | | | | | | | | | | | | .77 | .05 | | | | T. | T. | 2.10 | | | | | | | | | 3.15 |
| Tallassee | Tallapoosa | | | | | | | .33 | | | | | .13 | | | | .83 | | | | | .32 | | | .10 | | | | | | | | 2.92 |
| Thomasville II | Tombigbee | | | | | | | .27 | | | | | | | .35 | | .05 | | | | | | | | .10 | .50 | | | | | | | 2.21 |
| Troy | Escambia | | | | | | | | | | | .16 | | | | | .04 | .36 | | | | | | .08 | .87 | T. | | | | | | | 1.54 |
| Tuscaloosa II | Bl'k Warrior | | | | | | | | T. | | .01 | | .01 | | | .01 | T. | .20 | | | | | | 2.00 | 2.60 | T. | | | | | | | 1.08 |
| Tuskegee | Tallapoosa | | | | | | | | | .16 | | .14 | | | | | .40 | | | | | .24 | | | .33 | .35 | | | | | | | 4.83 |
| Union Springs II | do. | | | | | | | | | | | | | | | | .68 | | | | | | | | | | | | | | | | 1.46 |
| Uniontown | Bl'k Warrior | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| Valley Head | Coosa | | | | | | T. | T. | | | | | | | | | | | | | | .18 | | .95 | .52 | | | | | | | | 1.47 |
| Wetumpka II | do. | | | | | | | | .28 | | | | .27 | | | | | .62 | | | | .13 | | .63 | 1.62 | | | | | | | | T. |
| Mississippi. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen II | Tombigbee | | | | | | | | | | .29 | .13 | | | | T. | .16 | .81 | | | .29 | | | | 1.53 | 1.53 | | | | | | | 4.74 |
| Agricultural College | do. | | | | .01 | .01 | .80 | | | | | .03 | | | | .12 | .20 | .10 | | | | | | .90 | 1.10 | .85 | | | | | | | 4.12 |
| Bay St. Louis | Coast | | | | | .94 | .25 | .04 | | | | .53 | .52 | | .20 | .01 | .98 | | T. | | | | | | 1.98 | .11 | | | | | | | 5.59 |
| Biloxi | do. | | | | | .03 | .05 | | | | .02 | .01 | .02 | | | | .85 | | | | | | | | 1.27 | 1.97 | | | | | | | 4.22 |
| Booneville | Tombigbee | | | | | .06 | | | | .02 | | | | | | .45 | .33 | | | | .01 | | | .78 | 1.08 | .10 | | | | | | | 2.83 |
| Brookhaven II | Pearl | | | | | | .79 | .12 | .03 | | .05 | | | | | | .37 | .18 | | | | | | | 1.63 | .64 | | | | | | | 4.33 |
| Collins | Leaf | | | | | .26 | .09 | | .37 | .09 | | | | | | | .46 | .11 | | | | | .48 | | | | | | | | | | 4.54 |
| Columbia II | Pearl | | | | | 1.49 | | | | | | | | | | | T. | .05 | | | | | | .26 | 2.90 | | | | | | | | 5.22 |
| Columbus II | Tombigbee | | | | | | T. | .08 | | .05 | | | | | | | .27 | .27 | .45 | T. | .50 | | | | 2.60 | 1.02 | | | | | | | 4.35 |
| Crystal Springs II | Pearl | | | | | | .40 | | | | | .30 | | | | | .35 | .13 | | | | | | | .70 | 2.03 | | | | | | | 5.22 |
| Edinburg | do. | | | | | | | | | .19 | | | | | | | .25 | .24 | | | | | | | 1.12 | .65 | | | | | | | 2.95 |
| Enterprise II | Chic'asaw'ay | | | | | | T. | T. | | .26 | | .10 | .05 | | | | .48 | .74 | .35 | | | | T. | T. | .98 | 1.74 | | | | | | | 3.40 |
| Fulton | Tombigbee | | | | | | .03 | | | | | .02 | | | | | .77 | | | .03 | | | .02 | | 1.50 | 2.02 | | | | | | | 5 |

| Date. | Virginia. | | | | | | | | | | North Carolina. | | | | | | | | | | | | | | | | | |
|--------|-------------|------|--------------|------|------------|------|----------|------|-----------|------|-----------------|------|----------|------|---------------|------|-----------|------|-------------|------|----------|------|-------------|------|------------|------|-------------|------|
| | Callaville. | | Hot Springs. | | Lynchburg. | | Norfolk. | | Richmond. | | Charlotte. | | Edenton. | | Fayetteville. | | Hatteras. | | Newbern. §§ | | Raleigh. | | Reidsville. | | Salisbury. | | Wilmington. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 82 | 36 | 79 | 35 | 83 | 40 | 74 | 49 | 79 | 46 | 80 | 51 | 80 | 55 | 85 | 43 | 71 | 52 | 81 | 46 | 81 | 51 | 85 | 47 | 85 | 46 | 79 | 50 |
| 2.... | 91 | 42 | 79 | 50 | 91 | 48 | 87 | 54 | 88 | 48 | 86 | 57 | 90 | 50 | 92 | 57 | 80 | 60 | 89 | 50 | 89 | 58 | 92 | 54 | 86 | 58 | 86 | 55 |
| 3.... | 94 | 50 | 84 | 53 | 92 | 52 | 87 | 63 | 92 | 52 | 89 | 61 | 93 | 51 | 95 | 57 | 82 | 62 | 92 | 54 | 92 | 65 | 94 | 57 | 91 | 51 | 91 | 60 |
| 4.... | 93 | 48 | 85 | 49 | 92 | 51 | 87 | 64 | 90 | 57 | 90 | 64 | 89 | 53 | 96 | 55 | 81 | 64 | 89 | 57 | 94 | 62 | 95 | 47 | 93 | 52 | 92 | 62 |
| 5.... | 91 | 49 | 83 | 47 | 90 | 50 | 84 | 64 | 89 | 56 | 91 | 61 | 88 | 51 | 93 | 59 | 78 | 66 | 88 | 58 | 89 | 59 | 93 | 55 | 92 | 50 | 83 | 58 |
| 6.... | 91 | 55 | 79 | 53 | 86 | 57 | 92 | 59 | 91 | 56 | 87 | 64 | 93 | 61 | 92 | 55 | 79 | 64 | 91 | 63 | 88 | 62 | 91 | 60 | 85 | 56 | 88 | 61 |
| 7.... | 83 | 60 | 75 | 50 | 80 | 69 | 80 | 62 | 68 | 60 | 75 | 61 | 81 | 61 | 86 | 60 | 78 | 63 | 86 | 62 | 81 | 56 | 77 | 55 | 72 | 61 | 86 | 63 |
| 8.... | 71 | 50 | 66 | 37 | 71 | 46 | 66 | 55 | 73 | 50 | 66 | 55 | 78 | 52 | 65 | 56 | 70 | 63 | 77 | 55 | 64 | 55 | 63 | 52 | 68 | 55 | 73 | 55 |
| 9.... | 84 | 47 | 74 | 43 | 83 | 46 | 81 | 56 | 82 | 52 | 80 | 55 | 83 | 55 | 83 | 54 | 75 | 64 | 82 | 59 | 82 | 53 | 84 | 47 | 81 | 51 | 76 | 61 |
| 10.... | 75 | 50 | 74 | 40 | 69 | 47 | 60 | 50 | 65 | 46 | 71 | 56 | 72 | 58 | 71 | 59 | 67 | 53 | 71 | 59 | 66 | 50 | 72 | 56 | 78 | 54 | 72 | 53 |
| 11.... | 64 | 31 | 78 | 34 | 65 | 38 | 58 | 44 | 62 | 38 | 68 | 44 | 72 | 36 | 67 | 41 | 56 | 48 | 66 | 43 | 62 | 42 | 68 | 38 | 75 | 41 | 64 | 45 |
| 12.... | 72 | 33 | 67 | 34 | 69 | 37 | 65 | 44 | 68 | 39 | 74 | 46 | 84 | 49 | 75 | 40 | 66 | 46 | 75 | 42 | 72 | 41 | 76 | 39 | 80 | 38 | 68 | 47 |
| 13.... | 85 | 45 | 74 | 38 | 83 | 43 | 81 | 50 | 83 | 47 | 80 | 57 | 90 | 63 | 83 | 53 | 74 | 61 | 83 | 51 | 81 | 57 | 85 | 54 | 83 | 51 | 77 | 56 |
| 14.... | 87 | 58 | 76 | 48 | 78 | 52 | 79 | 56 | 75 | 56 | 89 | 62 | 78 | 56 | 91 | 61 | 76 | 65 | 88 | 61 | 86 | 64 | 91 | 58 | 87 | 50 | 85 | 63 |
| 15.... | 78 | 52 | 77 | 50 | 78 | 52 | 72 | 56 | 78 | 54 | 84 | 64 | 88 | 66 | 93 | 66 | 77 | 64 | 89 | 60 | 86 | 57 | 85 | 54 | 90 | 60 | 84 | 66 |
| 16.... | 87 | 61 | 75 | 57 | 84 | 61 | 86 | 64 | 87 | 62 | 85 | 63 | 77 | 63 | 91 | 68 | 76 | 68 | 90 | 64 | 87 | 65 | 89 | 60 | 88 | 61 | 79 | 66 |
| 17.... | 75 | 63 | 71 | 56 | 71 | 58 | 72 | 61 | 72 | 57 | 71 | 63 | 77 | 58 | 76 | 63 | 77 | 67 | 78 | 66 | 71 | 63 | 75 | 63 | 86 | 60 | 73 | 66 |
| 18.... | 77 | 36 | 75 | 58 | 83 | 56 | 76 | 58 | 77 | 55 | 83 | 61 | 78 | 68 | 84 | 61 | 75 | 65 | 82 | 64 | 80 | 61 | 86 | 59 | 83 | 55 | 83 | 66 |
| 19.... | 82 | 53 | 76 | 53 | 83 | 57 | 72 | 58 | 77 | 59 | 86 | 66 | 88 | 55 | 89 | 63 | 79 | 64 | 90 | 64 | 84 | 64 | 85 | 61 | 84 | 50 | 86 | 64 |
| 20.... | 83 | 56 | 76 | 52 | 71 | 58 | 74 | 57 | 77 | 59 | 84 | 62 | 88 | 67 | 86 | 63 | 79 | 66 | 88 | 63 | 84 | 63 | 83 | 60 | 85 | 51 | 81 | 66 |
| 21.... | 87 | 55 | 74 | 55 | 81 | 60 | 83 | 64 | 85 | 58 | 83 | 65 | 88 | 70 | 90 | 66 | 80 | 69 | 90 | 65 | 87 | 68 | 82 | 64 | 85 | 60 | 83 | 69 |
| 22.... | 85 | 55 | 73 | 56 | 81 | 66 | 84 | 69 | 84 | 66 | 80 | 65 | 87 | 70 | 86 | 67 | 80 | 72 | 89 | 68 | 84 | 68 | 84 | 65 | 85 | 64 | 81 | 70 |
| 23.... | 84 | 68 | 71 | 54 | 74 | 58 | 83 | 70 | 82 | 59 | 76 | 59 | 78 | 65 | 86 | 69 | 79 | 69 | 86 | 70 | 83 | 65 | 80 | 67 | 77 | 67 | 79 | 72 |
| 24.... | 80 | 56 | 59 | 48 | 68 | 54 | 75 | 59 | 69 | 56 | 71 | 55 | 78 | 53 | 77 | 59 | 75 | 63 | 74 | 67 | 69 | 58 | 73 | 54 | 75 | 66 | 76 | 59 |
| 25.... | 77 | 50 | 71 | 47 | 74 | 50 | 74 | 57 | 75 | 52 | 74 | 51 | 75 | 53 | 78 | 57 | 71 | 63 | 78 | 53 | 75 | 53 | 78 | 49 | 80 | 48 | 76 | 56 |
| 26.... | 81 | 48 | 73 | 58 | 78 | 54 | 77 | 58 | 79 | 57 | 79 | 58 | 78 | 61 | 83 | 53 | 74 | 60 | 83 | 55 | 81 | 57 | 80 | 54 | 78 | 53 | 77 | 58 |
| 27.... | 75 | 61 | 69 | 55 | 69 | 61 | 74 | 62 | 72 | 60 | 72 | 56 | 73 | 61 | 78 | 58 | 77 | 63 | 81 | 62 | 70 | 58 | 71 | 59 | 78 | 50 | 75 | 58 |
| 28.... | 68 | 58 | 68 | 53 | 75 | 59 | 66 | 61 | 69 | 59 | 76 | 57 | 78 | 62 | 74 | 58 | 72 | 61 | 74 | 60 | 71 | 58 | 76 | 58 | 78 | 56 | 69 | 58 |
| 29.... | 79 | 49 | 71 | 47 | 82 | 56 | 77 | 58 | 78 | 55 | 87 | 61 | 83 | 57 | 86 | 59 | 76 | 63 | 84 | 55 | 82 | 61 | 86 | 56 | 88 | 67 | 83 | 59 |
| 30.... | 88 | 61 | 81 | 53 | 88 | 62 | 85 | 60 | 86 | 62 | 91 | 67 | 90 | 61 | 94 | 66 | 79 | 69 | 90 | 63 | 91 | 67 | 91 | 65 | 91 | 62 | 92 | 68 |
| 31.... | 83 | 59 | 79 | 57 | 79 | 64 | 76 | 63 | 81 | 60 | 88 | 71 | 82 | 61 | 88 | 70 | 76 | 64 | 88 | 69 | 83 | 70 | 86 | 68 | 90 | 69 | 87 | 70 |
| Mns.. | 81.7 | 52.1 | 74.6 | 49.0 | 78.9 | 53.1 | 77.0 | 58.2 | 78.5 | 54.6 | 80.5 | 59.3 | 82.5 | 58.1 | 84.3 | 58.6 | 75.3 | 62.6 | 83.6 | 59.0 | 80.5 | 59.1 | 82.5 | 56.0 | 83.1 | 55.3 | 80.1 | 60.6 |

| | South Carolina. | | | | | | | | | | | | | | Georgia. | | | | | | | | | | | | | |
|--------|-----------------|------|-----------|------|------------|------|--------------|------|-------------|------|----------------|------|-----------|------|---------------|------|------------|------|----------|------|----------|------|-----------|------|--------|------|----------|------|
| Date. | Charleston. | | Columbia. | | Conway. §§ | | Ferguson. §§ | | Georgetown. | | Greenville. §§ | | Newberry. | | Society Hill. | | Albany. §§ | | Atlanta. | | Augusta. | | Dahlgren. | | Macon. | | Rome. §§ | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 73 | 56 | 82 | 51 | 85 | 46 | 82 | 45 | 78 | 54 | 78 | 42 | 79 | 43 | 83 | 56 | 84 | 56 | 81 | 57 | 80 | 50 | 82 | 47 | 81 | 54 | 85 | 45 |
| 2.... | 80 | 57 | 86 | 57 | 88 | 47 | 86 | 57 | 86 | 56 | 84 | 49 | 80 | 50 | 88 | 59 | 85 | 58 | 82 | 59 | 84 | 52 | 84 | 49 | 82 | 53 | 85 | 48 |
| 3.... | 85 | 59 | 91 | 57 | 92 | 49 | 90 | 59 | 90 | 58 | 86 | 50 | 87 | 48 | 93 | 55 | 90 | 60 | 84 | 64 | 88 | 54 | 86 | 49 | 85 | 53 | 88 | 49 |
| 4.... | 87 | 62 | 93 | 60 | 98 | 50 | 92 | 68 | 90 | 68 | 87 | 50 | 93 | 50 | 95 | 53 | 92 | 60 | 86 | 65 | 92 | 55 | 87 | 53 | 88 | 57 | 90 | 50 |
| 5.... | 83 | 65 | 92 | 64 | 94 | 56 | 90 | 56 | 85 | 57 | 90 | 53 | 93 | 55 | 89 | 52 | 91 | 61 | 88 | 68 | 93 | 56 | 88 | 53 | 88 | 56 | 90 | 53 |
| 6.... | 84 | 63 | 89 | 59 | 94 | 61 | 89 | 58 | 88 | 62 | 86 | 54 | 90 | 56 | 92 | 57 | 94 | 61 | 86 | 65 | 86 | 60 | 86 | 57 | 85 | 60 | 89 | 57 |
| 7.... | 87 | 64 | 85 | 60 | 92 | 56 | 86 | 60 | 78 | 53 | 80 | 56 | 84 | 60 | 88 | 56 | 86 | 62 | 79 | 60 | 82 | 60 | 79 | 57 | 79 | 61 | 84 | 57 |
| 8.... | 73 | 65 | 69 | 59 | 80 | 58 | 70 | 61 | 77 | 64 | 70 | 57 | 75 | 60 | 68 | 56 | 87 | 63 | 76 | 58 | 74 | 63 | 71 | 55 | 80 | 62 | 80 | 56 |
| 9.... | 75 | 61 | 83 | 55 | 80 | 57 | 82 | 61 | 78 | 68 | 79 | 52 | 85 | 55 | 82 | 60 | 85 | 60 | 80 | 56 | 83 | 57 | 76 | 51 | 81 | 59 | 86 | 55 |
| 10.... | 85 | 63 | 80 | 62 | 81 | 57 | 81 | 64 | 83 | 58 | 76 | 53 | 82 | 56 | 77 | 50 | 90 | 60 | 80 | 61 | 85 | 60 | 79 | 53 | 85 | 58 | 81 | 56 |
| 11.... | 66 | 55 | 70 | 52 | 75 | 47 | 71 | 60 | 65 | 52 | 67 | 42 | 75 | 52 | 68 | 44 | 86 | 58 | 70 | 58 | 70 | 57 | 70 | 53 | 70 | 58 | 78 | 55 |
| 12.... | 69 | 61 | 77 | 51 | 77 | 42 | 78 | 57 | 73 | 44 | 74 | 43 | 79 | 46 | 76 | 56 | 80 | 58 | 70 | 55 | 75 | 51 | 69 | 47 | 69 | 58 | 75 | 56 |
| 13.... | 76 | 60 | 82 | 56 | 85 | 48 | 83 | 60 | 83 | 52 | 80 | 49 | 85 | 53 | 83 | 60 | 78 | 59 | 80 | 55 | 81 | 57 | 81 | 53 | 80 | 55 | 88 | 55 |
| 14.... | 83 | 67 | 89 | 62 | 92 | 60 | 90 | 67 | 88 | 62 | 86 | 57 | 91 | 62 | 90 | 62 | 87 | 58 | 84 | 63 | 87 | 62 | 88 | 54 | 86 | 61 | 90 | 59 |
| 15.... | 84 | 68 | 88 | 65 | 92 | 64 | 90 | 70 | 83 | 65 | 83 | 57 | 91 | 61 | 91 | 60 | 90 | 61 | 84 | 64 | 86 | 66 | 81 | 56 | 87 | 63 | 90 | 59 |
| 16.... | 79 | 69 | 87 | 65 | 90 | 67 | 88 | 73 | 86 | 65 | 82 | 58 | 91 | 68 | 93 | 65 | 92 | 67 | 84 | 65 | 88 | 66 | 81 | 55 | 86 | 67 | 88 | 62 |
| 17.... | 74 | 68 | 74 | 66 | 90 | 67 | 74 | 67 | 78 | 64 | 72 | 61 | 77 | 66 | 74 | 62 | 80 | 60 | 76 | 62 | 74 | 67 | 73 | 61 | 78 | 63 | 83 | 64 |
| 18.... | 83 | 68 | 87 | 62 | 91 | 63 | 88 | 71 | 82 | 65 | 85 | 57 | 90 | 58 | 88 | 60 | 88 | 67 | 87 | 63 | 88 | 63 | 87 | 56 | 87 | 62 | 88 | 59 |
| 19.... | 77 | 67 | 90 | 65 | 95 | 60 | 91 | 72 | 89 | 62 | 86 | 59 | 90 | 61 | 82 | 62 | 93 | 67 | 87 | 64 | 89 | 67 | 87 | 58 | 91 | 64 | 90 | 60 |
| 20.... | 78 | 69 | 80 | 63 | 89 | 63 | 89 | 74 | 85 | 73 | 85 | 62 | 91 | 61 | 77 | 65 | 91 | 64 | 82 | 62 | 86 | 68 | 80 | 60 | 87 | 65 | 88 | 63 |
| 21.... | 81 | 72 | 84 | 67 | 90 | 64 | 86 | 76 | 87 | 66 | 84 | 65 | 89 | 68 | 87 | 65 | 92 | 63 | 82 | 63 | 88 | 66 | 83 | 61 | 85 | 66 | 90 | 61 |
| 22.... | 81 | 72 | 85 | 69 | 89 | 69 | 88 | 73 | 85 | 70 | 84 | 67 | 89 | 67 | 86 | 67 | 92 | 68 | 80 | 65 | 85 | 68 | 83 | 61 | 86 | 67 | 85 | 65 |
| 23.... | 79 | 72 | 81 | 70 | 89 | 71 | 85 | 76 | 86 | 71 | 71 | 64 | 81 | 64 | 87 | 60 | 78 | 71 | 68 | 54 | 82 | 69 | 68 | 58 | 76 | 61 | 70 | 59 |
| 24.... | 76 | 66 | 74 | 58 | 80 | 69 | 77 | 67 | 85 | 65 | 74 | 58 | 75 | 59 | 70 | 54 | 77 | 58 | 70 | 51 | 76 | 62 | 72 | 52 | 77 | 55 | 70 | 51 |
| 25.... | 78 | 61 | 78 | 56 | 83 | 53 | 80 | 65 | 75 | 55 | 77 | 49 | 79 | 54 | 78 | 53 | 82 | 60 | 77 | 56 | 79 | 58 | 78 | 49 | 80 | 60 | 80 | 50 |
| 26.... | 76 | 63 | 82 | 55 | 85 | 60 | 85 | 66 | 76 | 52 | 79 | 52 | 85 | 53 | 84 | 62 | 86 | 61 | 79 | 64 | 82 | 56 | 79 | 56 | 83 | 55 | 85 | 50 |
| 27.... | 81 | 67 | 76 | 62 | 85 | 58 | 85 | 60 | 83 | 65 | 75 | 58 | 89 | 64 | 76 | 58 | 85 | 62 | 74 | 57 | 82 | 64 | 71 | 55 | 85 | 63 | 76 | 58 |
| 28.... | 80 | 61 | 82 | 59 | 82 | 56 | 80 | 69 | 78 | 67 | 80 | 56 | 82 | 55 | 80 | 58 | 88 | 62 | 78 | 54 | 84 | 57 | 77 | 56 | 84 | 60 | 82 | 52 |
| 29.... | 83 | 65 | 91 | 62 | 90 | 54 | 89 | 67 | 88 | 55 | 88 | 56 | 94 | 58 | 90 | 55 | 92 | 64 | 88 | 64 | 93 | 61 | 87 | 54 | 93 | 60 | 91 | 56 |
| 30.... | 98 | 71 | 95 | 69 | 97 | 64 | 98 | 77 | 96 | 78 | 90 | 61 | 96 | 63 | 96 | 64 | 98 | 66 | 88 | 70 | 95 | 66 | 87 | 58 | 95 | 63 | 93 | 58 |
| 31.... | 94 | 75 | 93 | 75 | 85 | 71 | 95 | 81 | 94 | 78 | 91 | 65 | 97 | 71 | 93 | 66 | 99 | 67 | 92 | 63 | 97 | 71 | 90 | 68 | 98 | 65 | 97 | 63 |
| Mns. | 80.3 | 64.9 | 84.0 | 61.1 | 87.6 | 57.9 | 85.1 | 65.7 | 83.2 | 62.1 | 80.9 | 55.2 | 85.9 | 58.0 | 84.0 | 58.5 | 87.7 | 62.0 | 80.7 | 60.8 | 84.3 | 61.0 | 80.3 | 55.0 | 83.8 | 60.1 | 84.9 | 56.2 |

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 2—Continued.

| Date. | Georgia. | | | | | | | | Florida. | | | | | | | | | | | | | | | | | | | |
|--------|-----------|------|--------------|------|--------------|------|----------------|------|------------|------|-------------|------|---------------|------|-----------|------|--------------|------|--------|------|--------|------|----------|------|------------|------|-----------------|------|
| | Savannah. | | Thomasville. | | Waycross. §§ | | West Point. §§ | | Avon Park. | | Fort Myers. | | Jacksonville. | | Key West. | | Marianna. §§ | | Miami. | | Ocala. | | Orlando. | | Pensacola. | | Tallahassee. §§ | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 75 | 56 | 83 | 56 | 82 | 49 | 83 | 49 | 81 | 57 | 84 | 60 | 76 | 59 | 81 | 67 | 87 | 50 | 79 | 70 | 85 | 53 | 82 | 56 | 78 | 64 | 85 | 56 |
| 2.... | 83 | 62 | 84 | 52 | 86 | 51 | 84 | 52 | 85 | 60 | 85 | 60 | 79 | 60 | 82 | 70 | 91 | 56 | 79 | 68 | 87 | 56 | 83 | 57 | 75 | 64 | 85 | 57 |
| 3.... | 86 | 59 | 88 | 56 | 89 | 50 | 85 | 51 | 86 | 59 | 87 | 58 | 83 | 58 | 81 | 69 | 92 | 54 | 78 | 70 | 89 | 60 | 86 | 51 | 75 | 64 | 88 | 60 |
| 4.... | 88 | 63 | 91 | 57 | 91 | 49 | 87 | 55 | 90 | 60 | 89 | 63 | 86 | 58 | 82 | 71 | 92 | 57 | 79 | 72 | 93 | 51 | 88 | 59 | 75 | 68 | 90 | 61 |
| 5.... | 87 | 62 | 92 | 54 | 93 | 49 | 88 | 56 | 91 | 62 | 92 | 64 | 88 | 60 | 83 | 70 | 94 | 59 | 80 | 72 | 93 | 51 | 91 | 65 | 79 | 64 | 91 | 62 |
| 6.... | 84 | 64 | 90 | 59 | 91 | 58 | 86 | 57 | 90 | 64 | 88 | 64 | 86 | 63 | 82 | 69 | 94 | 58 | 82 | 65 | 93 | 58 | 89 | 64 | 76 | 62 | 93 | 63 |
| 7.... | 86 | 66 | 90 | 60 | 89 | 60 | 83 | 59 | 88 | 61 | 84 | 60 | 84 | 66 | 83 | 68 | 91 | 59 | 82 | 63 | 89 | 59 | 88 | 61 | 78 | 64 | 86 | 63 |
| 8.... | 77 | 66 | 86 | 63 | 88 | 62 | 81 | 61 | 89 | 60 | 83 | 58 | 84 | 65 | 82 | 70 | 91 | 59 | 82 | 68 | 89 | 58 | 88 | 64 | 78 | 62 | 88 | 64 |
| 9.... | 80 | 59 | 82 | 57 | 92 | 59 | 83 | 57 | 86 | 61 | 86 | 60 | 81 | 63 | 84 | 71 | 90 | 60 | 83 | 63 | 91 | 60 | 86 | 61 | 75 | 67 | 84 | 59 |
| 10.... | 87 | 63 | 90 | 58 | 90 | 57 | 86 | 56 | 86 | 60 | 87 | 60 | 87 | 62 | 84 | 71 | 91 | 59 | 86 | 67 | 88 | 63 | 85 | 60 | 81 | 64 | 89 | 61 |
| 11.... | 66 | 58 | 81 | 61 | 75 | 60 | 74 | 59 | 88 | 63 | 86 | 63 | 74 | 63 | 2 | 72 | 89 | 61 | 85 | 60 | 97 | 58 | 85 | 63 | 82 | 64 | 87 | 63 |
| 12.... | 72 | 59 | 72 | 59 | 71 | 59 | 71 | 57 | 85 | 62 | 87 | 60 | 74 | 65 | 82 | 69 | 77 | 62 | 79 | 61 | 83 | 52 | 80 | 64 | 74 | 66 | 71 | 62 |
| 13.... | 77 | 62 | 82 | 60 | 84 | 55 | 81 | 57 | 78 | 60 | 84 | 62 | 78 | 64 | 82 | 71 | 86 | 59 | 79 | 72 | 83 | 59 | 78 | 63 | 75 | 67 | 82 | 60 |
| 14.... | 86 | 64 | 84 | 61 | 90 | 62 | 85 | 59 | 85 | 61 | 87 | 63 | 84 | 64 | 80 | 70 | 90 | 62 | 81 | 72 | 86 | 62 | 85 | 59 | 78 | 72 | 84 | 62 |
| 15.... | 86 | 66 | 87 | 62 | 87 | 61 | 86 | 62 | 86 | 61 | 87 | 62 | 86 | 65 | 83 | 74 | 88 | 63 | 82 | 73 | 90 | 60 | 90 | 60 | 78 | 72 | 87 | 63 |
| 16.... | 83 | 66 | 86 | 66 | 89 | 63 | 87 | 67 | 88 | 61 | 86 | 64 | 85 | 64 | 84 | 74 | 89 | 63 | 81 | 74 | 90 | 66 | 87 | 59 | 77 | 67 | 85 | 64 |
| 17.... | 78 | 68 | 82 | 63 | 83 | 68 | 81 | 64 | 88 | 70 | 86 | 67 | 75 | 67 | 84 | 76 | 90 | 63 | 82 | 75 | 84 | 60 | 83 | 68 | 80 | 69 | 78 | 66 |
| 18.... | 86 | 65 | 89 | 64 | 91 | 64 | 85 | 60 | 90 | 67 | 87 | 69 | 85 | 68 | 86 | 75 | 89 | 64 | 84 | 71 | 88 | 63 | 89 | 69 | 83 | 69 | 86 | 64 |
| 19.... | 82 | 68 | 89 | 66 | 93 | 67 | 88 | 62 | 90 | 68 | 87 | 65 | 85 | 70 | 86 | 74 | 95 | 64 | 82 | 69 | 92 | 65 | 88 | 68 | 84 | 70 | 91 | 67 |
| 20.... | 82 | 67 | 87 | 63 | 91 | 63 | 86 | 65 | 90 | 67 | 90 | 66 | 85 | 70 | 85 | 76 | 90 | 63 | 84 | 76 | 90 | 65 | 89 | 64 | 81 | 75 | 86 | 64 |
| 21.... | 83 | 72 | 88 | 61 | 93 | 65 | 85 | 64 | 89 | 68 | 90 | 66 | 86 | 71 | 85 | 76 | 90 | 62 | 83 | 76 | 91 | 64 | 89 | 67 | 80 | 74 | 87 | 63 |
| 22.... | 82 | 71 | 87 | 67 | 89 | 70 | 81 | 66 | 89 | 66 | 91 | 66 | 85 | 69 | 85 | 76 | 90 | 67 | 84 | 75 | 90 | 70 | 90 | 67 | 78 | 67 | 85 | 66 |
| 23.... | 81 | 71 | 73 | 65 | 82 | 70 | 71 | 67 | 88 | 70 | 89 | 72 | 84 | 71 | 86 | 75 | 74 | 69 | 84 | 75 | 85 | 66 | 90 | 71 | 75 | 59 | 73 | 68 |
| 24.... | 78 | 65 | 79 | 60 | 82 | 63 | 73 | 52 | 81 | 67 | 82 | 72 | 82 | 68 | 84 | 72 | 81 | 56 | 82 | 67 | 83 | 67 | 82 | 72 | 76 | 55 | 78 | 60 |
| 25.... | 78 | 60 | 82 | 57 | 83 | 60 | 79 | 52 | 86 | 68 | 82 | 69 | 79 | 66 | 84 | 70 | 86 | 68 | 79 | 67 | 85 | 60 | 85 | 64 | 79 | 58 | 83 | 62 |
| 26.... | 78 | 62 | 86 | 57 | 86 | 55 | 83 | 55 | 87 | 66 | 83 | 71 | 81 | 61 | 83 | 71 | 89 | 58 | 80 | 67 | 85 | 60 | 85 | 66 | 80 | 66 | 85 | 61 |
| 27.... | 86 | 67 | 89 | 61 | 89 | 62 | 83 | 63 | 90 | 70 | 85 | 72 | 86 | 69 | 84 | 71 | 90 | 62 | 83 | 71 | 81 | 62 | 88 | 65 | 81 | 69 | 87 | 63 |
| 28.... | 83 | 59 | 87 | 60 | 86 | 59 | 83 | 55 | 89 | 69 | 86 | 74 | 85 | 64 | 84 | 77 | 92 | 56 | 88 | 73 | 88 | 61 | 89 | 71 | 81 | 65 | 86 | 61 |
| 29.... | 87 | 67 | 93 | 58 | 94 | 55 | 91 | 57 | 91 | 63 | 84 | 71 | 90 | 65 | 84 | 74 | 98 | 58 | 86 | 72 | 93 | 63 | 91 | 64 | 84 | 69 | 93 | 63 |
| 30.... | 95 | 69 | 96 | 67 | 99 | 64 | 93 | 60 | 94 | 65 | 86 | 74 | 93 | 71 | 85 | 74 | 100 | 62 | 86 | 70 | 95 | 63 | 94 | 61 | 87 | 71 | 96 | 65 |
| 31.... | 98 | 70 | 98 | 67 | 99 | 65 | 95 | 65 | 94 | 67 | 87 | 74 | 94 | 70 | 86 | 74 | 99 | 68 | 87 | 71 | 92 | 62 | 95 | 65 | 87 | 71 | 97 | 68 |
| Mns. | 82.6 | 64.4 | 86.1 | 60.5 | 88.0 | 59.8 | 83.5 | 58.7 | 87.7 | 64.0 | 86.4 | 65.5 | 83.5 | 65.1 | 83.5 | 72.2 | 89.8 | 60.7 | 82.3 | 69.8 | 88.6 | 60.5 | 87.0 | 63.5 | 79.1 | 66.4 | 86.0 | 62.6 |

| Date. | Alabama. | | | | | | | | | | Mississippi. | | | | | | | | | | | | | | | | | |
|--------|-------------|------|-----------|------|----------|-------|-------------|------|-------------|------|--------------|------|-------------|------|----------------|------|------------|------|----------------|------|-----------|------|-----------------|------|----------|------|-----------|------|
| | Tampa, Fla. | | Anniston. | | Bermuda. | | Birmingham. | | Eufaula. §§ | | Mobile. | | Montgomery. | | Tuscaloosa. §§ | | Uniontown. | | Bay St. Louis. | | Columbus. | | Hattiesburg. §§ | | Jackson. | | Meridian. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 82 | 59 | 84 | 48 | 88 | 49 | 84 | 56 | 82 | 48 | 83 | 63 | 85 | 55 | 90 | 50 | 86 | 52 | 82 | 56 | 89 | 49 | 81 | 56 | 87 | 52 | 85 | 50 |
| 2.... | 85 | 62 | 84 | 57 | 87 | 54 | 84 | 61 | 82 | 50 | 78 | 63 | 85 | 58 | 87 | 53 | 87 | 54 | 79 | 59 | 88 | 51 | 86 | 52 | 85 | 55 | 84 | 55 |
| 3.... | 85 | 59 | 86 | 53 | 88 | 56 | 84 | 61 | 85 | 52 | 78 | 64 | 85 | 61 | 87 | 55 | 87 | 54 | 78 | 68 | 85 | 54 | 86 | 56 | 84 | 55 | 82 | 55 |
| 4.... | 89 | 62 | 87 | 57 | 89 | 52 | 85 | 63 | 87 | 56 | 79 | 65 | 88 | 64 | 88 | 56 | 88 | 55 | 79 | 70 | 87 | 54 | 88 | 59 | 84 | 62 | 83 | 55 |
| 5.... | 89 | 63 | 87 | 58 | 90 | 55 | 85 | 65 | 86 | 53 | 84 | 64 | 86 | 64 | 88 | 60 | 89 | 56 | 80 | 68 | 89 | 60 | 88 | 62 | 86 | 63 | 86 | 59 |
| 6.... | 87 | 64 | 86 | 55 | 85 | 52 | 84 | 58 | 87 | 55 | 80 | 59 | 86 | 61 | 85 | 60 | 83 | 60 | 81 | 60 | 85 | 60 | 83 | 59 | 82 | 60 | 82 | 59 |
| 7.... | 85 | 66 | 83 | 57 | 86 | 54 | 79 | 58 | 85 | 56 | 80 | 62 | 83 | 60 | 82 | 59 | 86 | 58 | 78 | 58 | 78 | 61 | 87 | 59 | 76 | 57 | 80 | 56 |
| 8.... | 84 | 64 | 81 | 56 | 91 | 53 | 78 | 58 | 83 | 57 | 82 | 59 | 82 | 60 | 84 | 59 | 86 | 56 | 78 | 60 | 86 | 56 | 87 | 55 | 84 | 56 | 80 | 57 |
| 9.... | 84 | 61 | 79 | 58 | 87 | 55 | 79 | 61 | 80 | 55 | 82 | 64 | 84 | 61 | 87 | 59 | 87 | 57 | 80 | 60 | 89 | 56 | 88 | 57 | 87 | 58 | 82 | 58 |
| 10.... | 82 | 64 | 83 | 53 | 92 | ----- | 83 | 57 | 86 | 55 | 84 | 62 | 85 | 61 | 87 | 56 | 88 | 58 | 83 | 62 | 86 | 57 | 89 | 57 | 88 | 59 | 83 | 58 |
| 11.... | 80 | 66 | 74 | 51 | 86 | ----- | 76 | 55 | 77 | 56 | 86 | 62 | 81 | 60 | 82 | 56 | 88 | 57 | 85 | 61 | 81 | 56 | 89 | 57 | 85 | 59 | 80 | 58 |
| 12.... | 82 | 63 | 72 | 59 | 84 | 61 | 72 | 61 | 74 | 56 | 80 | 63 | 75 | 60 | 83 | 58 | 84 | 63 | 81 | 59 | 85 | 55 | 87 | 57 | 83 | 57 | 80 | 56 |
| 13.... | 81 | 62 | 82 | 61 | 88 | 62 | 81 | 63 | 80 | 57 | 79 | 69 | 83 | 61 | 83 | 62 | 87 | 61 | 84 | 65 | 86 | 56 | 89 | 60 | 88 | 59 | 84 | 63 |
| 14.... | 85 | 64 | 84 | 63 | 89 | 64 | 80 | 64 | 83 | 58 | 81 | 71 | 85 | 65 | 85 | 66 | 89 | 62 | 82 | 70 | 83 | 64 | 88 | 63 | 88 | 64 | 85 | 66 |
| 15.... | 85 | 64 | 86 | 64 | 89 | 64 | 83 | 64 | 86 | 61 | 80 | 73 | 86 | 67 | 88 | 65 | 88 | 64 | 82 | 74 | 89 | 64 | 87 | 64 | 87 | 64 | 85 | 63 |
| 16.... | 84 | 65 | 86 | 65 | 83 | 65 | 83 | 66 | 86 | 62 | 77 | 68 | 83 | 66 | 83 | 65 | 88 | 66 | 83 | 67 | 80 | 61 | 76 | 66 | 75 | 64 | 75 | 64 |
| 17.... | 79 | 70 | 77 | 61 | 85 | 66 | | | | | | | | | | | | | | | | | | | | | | |

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 3, OHIO VALLEY.

Prof. FERDINAND J. WALZ, District Editor.

GENERAL SUMMARY.

The extreme dryness of the first two weeks and the great range in temperature were the more important features of the weather conditions of May, 1913, in the Ohio Valley. In the period 10th-12th there occurred some of the coldest weather ever experienced in the Ohio Valley in May. Temperatures of 20° to 30° were registered in nearly all parts of the district and at a few places they were even lower, a temperature of 16° being reached at Deer Park, Md., on the morning of the 12th. Considerable damage resulted from this unseasonably low temperature, especially to tender vegetables, fruit, and berries. Field crops, however, were not seriously injured. On May 1 the secretary of the Ohio department of agriculture estimated the fruit crop of that State at 90 per cent of an average crop, while on June 1 his estimate was only 52 per cent, the reduction being largely due to this cold wave. The night temperatures during much of the month were so low as to retard the growth of vegetation.

The lack of rain during the first half of the month was beginning to be felt in all parts of the district, but especially in the western portion. Frequent showers over the central and eastern portions during the last half of the month relieved the situation in those sections, but the amount of rain received over the western portion was insufficient to materially relieve the droughty conditions prevailing, and at the end of the month the situation there had become acute.

There were only one or two rather shallow low-pressure areas that crossed the district during the month, conditions being largely dominated by high-pressure areas. Local thunderstorms did some damage in a few localities, but as a whole the month was unusually free from destructive storms. Hailstorms in Tennessee caused the most serious damage.

The following table summarizes the chief features of meteorological interest for the several sections of the district:

| Portions of States included in the Ohio River Basin. | Temperature. | | | | Precipitation. | | | | | | |
|------------------------------------------------------------|--------------|------------|----------|---------|----------------|------------|-------------------|----------------|-----------------------|-------------------------|-------------------|
| | Average. | Departure. | Highest. | Lowest. | Average. | Departure. | Greatest monthly. | Least monthly. | Greatest in 24 hours. | Average number of days. | Average snowfall. |
| New York..... | 54.4 | -0.7 | 89 | 22 | 2.43 | -1.82 | 2.57 | 2.20 | 1.01 | 9 | 0 |
| Pennsylvania..... | 58.4 | -1.3 | 93 | 21 | 4.09 | +2.49 | 7.14 | 2.33 | 1.70 | 12 | 0 |
| Maryland..... | 55.1 | -1.3 | 87 | 16 | 6.59 | +2.11 | 7.90 | 5.56 | 1.60 | 12 | 0 |
| West Virginia..... | 61.8 | -0.9 | 93 | 20 | 5.06 | +1.17 | 8.86 | 1.89 | 2.22 | 10 | 0 |
| Ohio..... | 60.9 | -0.5 | 95 | 23 | 3.31 | -0.48 | 6.15 | 1.86 | 3.63 | 9 | 0 |
| Indiana..... | 63.8 | +0.8 | 97 | 26 | 2.30 | -1.80 | 6.43 | 0.38 | 4.00 | 8 | 0 |
| Illinois..... | 65.3 | +0.6 | 99 | 30 | 1.39 | -2.23 | 2.65 | 0.50 | 2.12 | 8 | 0 |
| Kentucky..... | 66.1 | +0.6 | 99 | 29 | 2.02 | -1.06 | 5.85 | 0.65 | 2.36 | 8 | 0 |
| Tennessee..... | 67.2 | +0.7 | 97 | 26 | 4.22 | -0.05 | 7.20 | 1.75 | 2.35 | 9 | 0 |
| Alabama..... | 69.2 | +0.2 | 97 | 41 | 4.34 | +0.04 | 7.86 | 2.63 | 2.70 | 10 | 0 |
| Georgia..... | 66.4 | +1.3 | 89 | 43 | 5.67 | ..... | ..... | ..... | 2.12 | 10 | 0 |
| North Carolina..... | 62.1 | +0.1 | 90 | 23 | 5.58 | +1.55 | 7.12 | 4.24 | 4.50 | 10 | 0 |
| Virginia..... | 59.9 | -1.1 | 88 | 24 | 5.83 | +1.71 | 7.41 | 4.41 | 2.67 | 10 | 0 |

TEMPERATURE.

The unusually cool weather which prevailed during the latter part of April passed off with the close of that month, and May began with more seasonal temperature conditions, although the minimum temperatures registered on the morning of the 1st were quite low over the central, southern, and eastern portions of the district, being below freezing at a number of the more elevated stations in the Appalachian section. It warmed up rapidly on the 1st, and during the following five or six days the average daily temperature ranged between 6° and 16° above normal, with maximum temperatures between 80° and 93°. Over much of the eastern section the highest temperatures of the month were reached during this period. A change to cooler set in about the 7th, and remarkably cool weather obtained until the 12th. On the 10th, 11th, and 12th some of the coldest weather ever experienced in May in the Ohio Valley occurred. Temperatures were below freezing in every section of the district except in the northern portions of Alabama and Georgia. Minimum temperatures of 20° to 30° were registered quite generally in practically all sections, while in western Maryland the temperature fell as low as 16° and 18°. Considerable damage was done by the severe frost as far south as central Kentucky and southwestern Virginia. The strawberry crop was practically ruined in some localities in Indiana and badly damaged over much of Kentucky. Fruit and tender vegetables were also hurt to a considerable extent, but damage to staple crops was immaterial.

The temperature was above the seasonal normal generally from the 13th to the 21st, except that on the 19th it was below normal over northern and central sections, also over those sections the minimum temperatures of the 20th were unseasonably low. Cold weather again overspread the district about the 22d and continued until the 28th, with average daily temperatures deficient in amounts ranging between 8° and 14°, with minimum temperatures registering in the 30's and 40's. The cool weather continued over the northeastern portion practically until the end of the month, but over the rest of the district there was a sharp reaction to warmer on the 29th, and during the 29th-31st the temperature was much above normal, with day temperatures ranging between 85° and 99°, the highest temperature for the month occurring, as a rule, except in the sections previously mentioned, on the 30th or 31st.

For the month as a whole the average temperature was not far from normal for any section, the variations being generally less than 2° in either direction. The departures from normal in the warm and cold periods, respectively, nearly offset each other; also the average number of days with temperature above were nearly equal to those below normal, but the monthly and also the daily ranges on many days were remarkably great. Daily ranges in temperature of 30° to 50° and monthly ranges of 60° to 70° were not uncommon. The extreme range for the district

was from 16° on the 12th in western Maryland to 99° in Kentucky and Illinois on the 30th and 31st, a difference of 83°.

RAINFALL.

Except in Tennessee and northern Alabama, where fairly good rains occurred on the 7th, there was little or no rain in any part of the district until the 14th, and droughty conditions became serious in many sections, but especially in Indiana, Illinois, and western Kentucky. Conditions were relieved somewhat by good and more or less general rains during the last part of the month. The most pronounced periods of rainfall were the 14th-18th, 21st-23d, 26th-28th, and 30th-31st. However, in many localities the moisture received in all these periods was not sufficient for the growing crops. As a rule the total rainfall for the month was above normal or ample over the eastern and southern parts of the district, over eastern Kentucky and southeastern Ohio, and ranged from 4 to 6 inches. Over the remainder of the district the rainfall was generally deficient, although there were from 2 to 4 inches over Ohio, northeastern Indiana, and western Tennessee; but over western Kentucky, southern Indiana, and eastern Illinois the total for the month was less than 2 inches, and in many places less than 1 inch. These sections at the end of the month were suffering acutely for want of moisture.

MISCELLANEOUS.

The following losses from wind squalls, lightning, and hail were reported:

May 7.—Several persons were seriously injured at White Plains, Tenn., when lightning struck a church.

May 8.—A heavy rain and hail storm caused considerable damage at Tracy City, Tenn.

May 9.—A hailstorm occurred at Suwanee, Tenn., which lasted for about 15 minutes, and when it ceased the ground was white with hailstones.

May 13.—A young man was killed by lightning at Maysville, Ky. He had taken refuge in a barn which was struck. Also considerable damage was done by a windstorm at Cynthiana, Ky.

May 14.—Considerable damage was done in Butler County, Ohio, by lightning, wind, and hail.

May 15.—A large barn with all its contents was destroyed by lightning in Lawrence County, Ohio. A hailstorm caused considerable damage in Jackson County, Ohio.

May 20.—Lightning struck a barn at Golconda, Ill., destroying the barn and killing several head of stock.

May 21.—Several houses, barns, and a number of trees of various kinds were destroyed by a windstorm at Savannah, Tenn. A number of persons were injured, but there were no fatalities.

May 24.—A young man plowing in the field near Scottsboro, Ala., was killed by lightning, together with his team.

May 31.—Heavy hailstorms passed over Shelbyville and Chattanooga, Tenn., resulting in considerable damage. Several hailstones measured 8 inches in circumference.

Several thunderstorms caused damage in localities in Indiana during the last half of the month.

RIVERS.

Rain during the last half of the month over the upper watershed of the Ohio River caused bank-full stages of water in some of the larger tributaries of that section near the close of the month. The Cumberland River was navigable to Burnside, Ky., from the 1st to the 10th, and again from the 20th to the close of the month.

TABLE 1.—Climatological data for May, 1913. District No. 3, Ohio Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Observers. | | |
|----------------------------|-------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------|---------------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | Number of overcast cloudy days. | Prevailing wind direction. |
| New York. | | | | | | | | | | | | | | | | | | | | |
| Allegany..... | Cattaraugus..... | 1,441 | 7 | 54.6 | ..... | 89 | 4 | 23 | 12 | 48 | 2.53 | ..... | 1.01 | 0 | 10 | 13 | 14 | 4 | nw. | Charles E. Whitney. |
| Bolivar..... | Allegany..... | 1,800 | 19 | 54.2 | - 0.7 | 89 | 4 | 22 | 12 | 48 | 2.20 | - 1.82 | 0.86 | 0 | 8 | 10 | 13 | 8 | w. | Charles F. Hoffman. |
| Olean..... | Cattaraugus..... | 1,402 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.57 | ..... | 0.96 | 0 | 9 | ..... | ..... | ..... | ..... | John W. Alles. |
| Pennsylvania. | | | | | | | | | | | | | | | | | | | | |
| Aleppo..... | Green..... | 1,135 | 12 | 59.6 | - 1.4 | 88 | 4 | 23 | 11 | 46 | 5.55 | + 1.73 | 1.30 | 0 | 12 | 14 | 9 | 8 | sw. | J. S. Hinerman. |
| Baldwin..... | Butler..... | 1,404 | 7 | 58.0b | ..... | 88 | 4 | 27 | 11 | 40b | 2.46 | ..... | 0.88 | 0 | 10 | 11 | 11 | 7 | w. | S. H. Templeton. |
| Beaver Dam..... | do..... | 674 | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.58 | + 0.48 | 0.95 | 0 | 11 | 9 | 3 | 19 | ne. | U. S. Engineer. |
| Brookville..... | Jefferson..... | 1,173 | 22 | 58.3 | ..... | 89 | 4 | 23 | 12 | 54 | 3.75 | - 0.07 | 1.45 | 0 | 13 | ..... | ..... | ..... | ..... | H. C. Bartholomew. |
| California..... | Washington..... | 770 | 10 | 61.6 | ..... | 91 | 4 | 29 | 11 | 45 | 5.19 | ..... | 1.13 | 0 | 11 | 12 | 4 | 15 | w. | Prof. B. U. P. Cough. |
| Clarion..... | Clarion..... | 1,078 | 28 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.78 | - 1.55 | 0.75 | 0 | 10 | 16 | 1 | 14 | w. | P. O. Miller. |
| Claysville..... | Washington..... | 1,127 | 9 | 60.2 | ..... | 90 | 4 | 23 | 11 | 47 | 4.04 | ..... | 1.18 | 0 | 10 | 16 | 8 | 7 | w. | E. T. Buchanan. |
| Confluence..... | Somerset..... | 1,352 | 29 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.27 | + 1.13 | 0.83 | 0 | 13 | 8 | 6 | 17 | ..... | Grant Pyle. |
| Franklin..... | Venango..... | 955 | 39 | 57.0 | - 1.4 | 87 | 5 | 28 | 11 | 45 | 2.85 | - 0.46 | 0.86 | 0 | 14 | 17 | 1 | 13 | nw. | F. E. Dixon. |
| Freeport..... | Armstrong..... | 772 | 40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.39 | + 0.44 | 0.83 | 0 | 12 | 11 | 2 | 18 | ..... | Mrs. Anna R. Burtner. |
| Greensboro..... | Green..... | 768 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.98 | + 1.76 | 1.10 | 0 | 13 | 13 | 7 | 11 | sw. | James G. Cramer. |
| Greenville..... | Mercer..... | 950 | 17 | 56.8 | - 0.9 | 90 | 5 | 25 | 12 | 51 | 3.05 | - 0.34 | 0.73 | 0 | 11 | 0 | 25 | 6 | nw. | A. M. Orr. |
| Indiana..... | Indiana..... | 1,350 | 16 | 59.8 | - 0.6 | 91 | 5 | 27 | 11 | 45 | 5.46 | + 1.40 | 1.60 | 0 | 15 | 15 | 10 | 6 | w. | R. W. Wehrle. |
| Johnstown..... | Cambria..... | 1,184 | 25 | 60.6 | - 0.7 | 91 | 4 | 29 | 12 | 44 | 4.89 | + 0.56 | 1.33 | 0 | 14 | 6 | 18 | 7 | sw. | E. C. Lorentz. |
| Lock No. 4..... | Washington..... | 718 | 27 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.66 | + 0.81 | 0.82 | 0 | 12 | 10 | 6 | 15 | sw. | R. T. McGowan. |
| Lycippus..... | Westmoreland..... | 1,420 | 21 | 59.4 | - 1.9 | 84 | 5 | 28 | 11 | 31 | 4.89 | + 1.21 | 1.40 | 0 | 12 | ..... | ..... | ..... | ..... | Murray Forbes. |
| Mosgrove..... | Armstrong..... | 775 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.25 | ..... | 0.64 | 0 | 12 | 17 | 0 | 14 | ..... | C. J. Moore. |
| Pittsburgh..... | Allegheny..... | 842 | 43 | 60.6 | - 2.0 | 88 | 4 | 33 | 10 | 33 | 3.11 | - 0.19 | 0.85 | 0 | 13 | 8 | 8 | 15 | nw. | U. S. Weather Bureau. |
| Ridgway..... | Elk..... | 0 | 0 | 55.8 | ..... | 88 | 4 | 23 | 12 | 51 | 3.83 | ..... | 0.80 | 0 | 13 | ..... | ..... | ..... | ..... | F. J. Eagen. |
| Saegertown..... | Crawford..... | 1,116 | 22 | 55.0 | - 2.1 | 86 | 5 | 24 | 11 | 46 | 2.33 | - 2.21 | 0.82 | 0 | 12 | 7 | 17 | 7 | nw. | J. G. Apple. |
| Sharon..... | Mercer..... | 940 | 2 | 58.2 | ..... | 87 | 5 | 29 | 11 | 43 | 2.47 | ..... | 0.90 | 0 | 12 | 18 | 0 | 13 | nw. | Norman S. Powell. |
| Somerset..... | Somerset..... | 2,250 | 57 | 55.5 | - 1.4 | 87 | 4 | 24 | 12 | 44 | 5.33 | - 0.04 | 1.02 | 0 | 10 | 12 | 8 | 11 | nw. | W. M. Schrock. |
| Uniontown..... | Fayette..... | 999 | 25 | 60.8 | - 0.9 | 89 | 4 | 28 | 11 | 42 | 5.56 | + 1.17 | 1.70 | 0 | 11 | 13 | 10 | 8 | w. | Wm. Hunt. |
| Warren..... | Warren..... | 1,137 | 24 | 56.0 | - 0.7 | 93 | 5 | 22 | 11 | 56 | 3.44 | - 1.35 | 1.35 | 0 | 10 | 20 | 1 | 10 | w. | Anna Simpson. |
| Maryland. | | | | | | | | | | | | | | | | | | | | |
| Deer Park..... | Garrett..... | 2,457 | 20 | 54.6 | - 2.0 | 87 | 5 | 16 | 12 | 56 | 6.31 | + 1.68 | 1.19 | 0 | 12 | ..... | ..... | ..... | ..... | S. P. Specht. |
| Grantsville..... | do..... | 2,351 | 20 | 56.0 | - 1.0 | 86 | 4 | 22 | 12 | 42 | 5.56 | + 1.44 | 1.30 | 0 | 11 | ..... | ..... | ..... | ..... | J. S. Miller. |
| Oakland..... | do..... | 2,461 | 14 | 54.8 | - 1.0 | 86 | 5 | 18 | 12 | 52 | 7.90 | + 3.21 | 1.60 | 0 | 14 | 10 | 13 | 8 | w. | R. E. Weber. |
| West Virginia. | | | | | | | | | | | | | | | | | | | | |
| Bancroft..... | Putnam..... | 574 | 10 | 65.2 | + 0.8 | 93 | 5 | 31 | 11 | 48 | 3.96 | - 0.16 | 1.81 | 0 | 11 | 12 | 5 | 14 | ne. | R. E. Dent. |
| Beeley..... | Raleigh..... | 2,440 | 14 | 58.7 | - 1.0 | 85 | 5 | 27 | 11 | 44 | 5.11 | + 2.19 | 1.20 | 0 | 5 | 13 | 7 | 11 | w. | John A. Ewart. |
| Bens Run..... | Pleasants..... | 622 | 12 | 63.1 | - 0.5 | 90 | 2 | 31 | 11 | 45 | 4.24 | - 0.50 | 0.92 | 0 | 10 | 21 | 5 | 5 | ..... | J. D. Riggs. |
| Bluefield..... | Mercer..... | 2,563 | 19 | 62.8 | + 0.3 | 85b | 30b | 12 | 41b | 1.89 | ..... | 2.28 | 1.35 | 0 | 4 | 16 | 5 | 8 | ..... | Norfolk & Western R. R. |
| Buckhannon..... | Upshur..... | 1,472 | 23 | 59.7 | - 2.7 | 85 | 3 | 25 | 11 | 43 | 8.39 | + 5.08 | 1.50 | 0 | 11 | 16 | 6 | 9 | ..... | H. A. Darnall. |
| Cairo..... | Ritchie..... | 667 | 11 | 63.2 | - 0.8 | 92 | 4 | 26 | 11 | 45 | 4.98 | + 1.56 | 1.30 | 0 | 15 | 9 | 12 | 10 | w. | Van A. Zevely. |
| Central Station..... | Doddridge..... | 900 | 11 | 61.6 | ..... | 90 | 5 | 26 | 11 | 48 | 4.78 | + 1.15 | 0.95 | 0 | 10 | 9 | 14 | 8 | sw. | G. W. Sherwood. |
| Charleston..... | Kanawha..... | 598 | 28 | 65.0 | - 1.0 | 90 | 5 | 34 | 11 | 38 | 3.56 | - 0.40 | 1.52 | 0 | 11 | 20 | 5 | 6 | w. | R. C. Hewes. |
| Creston..... | Wirt..... | 612 | 12 | 63.1 | - 0.3 | 91 | 4 | 29 | 11 | 47 | 4.21 | + 0.72 | 1.05 | 0 | 12 | 13 | 6 | 12 | sw. | J. M. Reed. |
| Cuba..... | Jackson..... | 544 | 13 | 62.2 | - 0.8 | 88 | 4 | 25 | 11 | 46 | 4.16 | + 0.79 | 0.74 | 0 | 12 | 9 | 18 | 4 | w. | C. T. Perry. |
| Doane..... | Wayne..... | 6 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | L. A. Smith. |
| Elkhorn..... | McDowell..... | 1,933 | 21 | 62.0 | - 0.8 | 87 | 4 | 32 | 11 | 39 | 3.98 | - 0.30 | 1.20 | 0 | 10 | 13 | 14 | 4 | w. | J. J. Lincoln. |
| Elkins..... | Randolph..... | 1,940 | 14 | 58.6 | - 0.6 | 86 | 5 | 25 | 11 | 45 | 5.63 | + 1.65 | 1.56 | 0 | 17 | 9 | 10 | 12 | n. | U. S. Weather Bureau. |
| Fairmont..... | Marion..... | 879 | 21 | 62.4 | - 0.8 | 92 | 4 | 27 | 11 | 51 | 6.16 | + 2.23 | 0.89 | 0 | 13 | 19 | 1 | 11 | w. | F. P. Hall. |
| Glenville..... | Gilmer..... | 738 | 24 | 62.6 | - 0.8 | 93 | 5 | 28 | 11 | 49 | 4.90 | + 0.83 | 1.23 | 0 | 8 | 11 | 12 | 8 | w. | Joe N. Craddock. |
| Grafton..... | Taylor..... | 985 | 21 | 62.8 | + 0.6 | 90 | 3 | 27 | 11 | 49 | 7.13 | + 3.22 | 1.74 | 0 | 10 | 18 | 1 | 12 | w. | Joseph Gerken. |
| Green Sulphur Springs..... | Summers..... | 1,600 | 18 | 61.1 | - 0.6 | 89a | 4 | 26a | 11 | 50a | 3.32 | + 0.25 | 1.25 | 0 | 11 | 12 | 6a | 12a | w. | Arthur George. |
| Hinton..... | do..... | 1,400 | 24 | 63.6 | - 0.7 | 92 | 6 | 31 | 12 | 48 | 4.34 | + 0.39 | 1.04 | 0 | 10 | 12 | 5 | 14 | sw. | J. B. Lavender, C. E. |
| Holcomb..... | Nicholas..... | 1 | 1 | 58.8a | ..... | 86a | 4 | 25 | 12 | 46a | 6.36 | ..... | ..... | 0 | 10 | 14 | 1 | 16 | ..... | R. E. Ferguson. |
| Huntington..... | Cabell..... | 510 | 18 | 64.6 | - 0.3 | 91 | 5 | 33 | 11 | 44 | 6.44 | + 2.53 | 2.22 | 0 | 10 | 18 | 1 | 12 | w. | L. H. Hutchinson. |
| Lewisburg..... | Greenbrier..... | 2,200 | 13 | 61.8a | + 1.0 | 88 | 5 | 35 | 13 | 39a | 4.14 | + 0.24 | 1.53 | 0 | 10 | 25 | 3 | 3 | sw. | Geo. T. Argabrite. |
| Logan..... | Logan..... | 665 | 11 | 67.0b | + 0.2 | 91 | 4 | 35 | 11 | 41b | 3.31 | - 0.83 | ..... | 0 | ..... | 16b | 5b | 2b | e. | Dr. J. E. McDonald. |
| Lost Creek..... | Harrison..... | 1,033 | 17 | 58.6 | - 2.5 | 86 | 4 | 22 | 11 | 48 | 5.90 | + 1.62 | 1.52 | 0 | 10 | 17 | 8 | 6 | w. | Allen Smith. |
| Madison..... | Boone..... | 704 | 8 | 65.4a | ..... | 91a | ..... | 31a | ..... | 51a | 5.32 | ..... | 1.66 | 0 | 8 | 10 | 6 | 3 | ..... | S. E. Bradley. |
| Mannington..... | Marion..... | 967 | 11 | 60.0 | - 1.6 | 88 | 3 | 25 | 11 | 49 | 5.73 | + 1.88 | 1.63 | 0 | 11 | 16 | 6 | 9 | w. | Jas. A. Morgan. |
| Marlington..... | Pocahontas..... | 2,169 | 17 | 56.2b | - 3.3 | 82 | 3 | 20 | 12 | 52b | 5.20 | + 1.19 | ..... | 0 | ..... | 15b | 5b | 3b | ..... | C. J. McCarty. |
| Morgantown..... | Monongalia..... | 1,250 | 39 | 61.6a | - 1.1 | 88 | 4 | 28 | 11 | 41a | 5.01 | + 1.44 | ..... | 0 | 13 | 16 | 6 | 8 | s. | Horace Atwood. |
| Moundsville..... | Marshall..... | 640 | 11 | 62.8 | - 0.4 | 93 | 5 | 28 | 11 | 49 | 3.16 | + 0.17 | 0.96 | 0 | 7 | 16 | 7 | 8 | w. | M. L. Brown. |
| New Cumberland..... | Hancock..... | 987 | 14 | 59.4 | - 1.6 | 88 | 4 | 27 | 11 | 46 | 3.35 | + 0.21 | 0.90 | 0 | 7 | 15 | 4 | 12 | s. | Frank S. Evans. |
| New Martinsville..... | Wetzel..... | 634 | 20 | 63.6 | - 0.1 | 90 | 2 | 26 | 11 | 47 | 5.12 | + 1.55 | 1.16 | 0 | 9 | 17 | 6 | 8 | s. | Wm. Ankrom. |
| Nuttallburg..... | Fayette..... | 2,252 | 21 | 58.4a | - 3.3 | 82 | 3 | 28 | 11 | 40a | 4.47 | + 0.98 | 1.20 | 0 | 8 | 12a | 12a | 2a | ..... | Miss Donna Tully. |
| Parkersburg..... | Wood..... | 638 | 25 | 63.4 | + 0.1 | 90 | 5 | 33 | 11 | 38 | 4.80 | + 1.34 | 1.19 | 0 | 15 | 10 | 10 | 11 | n. | U. S. Weather Bureau. |
| Parsons..... | Tucker..... | 1,662 | 14 | 58.4 | - 1.0 | 89 | 5 | 23 | 11 | 51 | 6.46 | + 2.47 | ..... | 0 | 11 | 15 | 10 | 6 | ..... | J. W. Swisher. |
| Phillippi..... | Barbour..... | 1,192 | 21 | 60.4 | - 1.4 | 89 | 4 | 24 | 11 | 50 | 8.27 | + 4.12 | 2.04 | 0 | 17 | 11 | 10 | 10 | w. | J. D. Dadisman. |
| Pickens..... | Randolph..... | 2,785 | 23 | 59.0a | + 0.1 | 87 | 3 | 23 | 11 | 44 | 7.42 | + 2.41 | 1.97 | 0 | 9 | 12 | 11 | 7 | w. | Dr. J. |

MONTHLY WEATHER REVIEW.

MAY, 1913

TABLE 1.—*Climatological data for May, 1913. District No. 3—Continued.*

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|------------------|-------------------|------------------|--------------------------|-------------------------------------|----------------------------|-----------------|----------------|-----------------|-----------------|-----------------------|---------------------------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------------------|----------------------------|--------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| Ohio. | | | | | | | | | | | | | | | | | | | | |
| Amesville | Athens | 630 | 9 | 62.0 | | 92 | 5 | 25 | 11 | 52 | 3.48 | | 0.88 | 0 | 0 | 14 | 10 | 7 | sw. | F. W. Gibson. |
| Ashland | Ashland | 1,079 | 13 | 59.7 | + 0.4 | 87 | 5 | 27 | 12 | 41 | 2.85 | - 1.54 | 1.23 | 0 | 7 | 6 | 5 | 20 | w. | S. W. Brandt. |
| Bangorville | Richland | 1,380 | 26 | 60.5 | + 0.9 | 86 | 3 | 30 | 10 [†] | 33 | 2.16 | - 2.08 | 0.69 | 0 | 12 | 10 | 15 | 6 | sw. | S. M. Painter. |
| Bellevue | Logan | 1,276 | 34 | 57.9 | - 2.6 | 83 | 2 [†] | 27 | 11 | 37 | 2.13 | 1.38 | 0.86 | 0 | 9 | 11 | 13 | 7 | sw. | Cory L. Lane. |
| Bladensburg | Knox | 1,100 | 20 | 57.84 | - 1.7 | 84 | 5 | 24 ^d | 11 [†] | 45 ^d | 2.64 | - 0.72 | 0.65 | 0 | 8 | 7 | 16 | 5 | sw. | Miss Mary Elliot. |
| Brilliant | Jefferson | 700 | | 60.4 | | 89 | 5 | 28 | 11 | 43 | 3.16 | | 1.00 | 0 | 7 | 16 | 5 | 10 | w. | Mrs. Mary K. Pennell. |
| Cadiz | Harrison | 1,245 | 9 | 61.6 | | 91 | 5 | 30 | 10 [†] | 41 | 2.81 | | 0.71 | 0 | 8 | 12 | 8 | 11 | nw. | Harry B. McConnell. |
| Cambridge | Guernsey | 803 | 21 | 59.8 | - 0.7 | 87 | 4 [†] | 24 | 11 | 48 | 1.86 | - 1.60 | 0.46 | 0 | 10 | 10 | 20 | 1 | | Samuel Mehaffey. |
| Camp Dennison | Hamilton | 570 | 20 | 62.8 | - 1.0 | 90 | 30 | 29 | 11 | 46 | 3.16 | - 1.08 | 0.81 | 0 | 11 | 2 | 14 | 5 | sw. | Henry F. Pinkvoss. |
| Canal Dover | Tuscarawas | 884 | 20 | | | | | | | | | | | | | | | | | Ed. S. Slingluff. |
| Canton | Stark | 1,089 | 30 | 59.2 | - 0.6 | 88 | 6 | 26 | 11 | 43 | 3.50 | - 0.28 | 0.98 | 0 | 9 | 12 | 7 | 12 | sw. | Carl H. Meyer. |
| Cardington | Morrow | 1,010 | 18 | 6.06 ⁺ | + 0.5 | 89 | 2 | 27 ^b | 11 | 45 | 2.53 | - 0.88 | 0.77 | 0 | 7 | 21 | 0 | 10 | nw. | J. W. Shaw. |
| Chillicothe | Ross | 630 | 10 | | | | | | | | 3.78 | | 0.91 | 0 | 8 | | | | | Marion Mackey. |
| Cincinnati | Hamilton | 628 | 42 | 65.8 | + 0.7 | 91 | 30 | 38 | 1 | 33 | 2.30 | - 1.22 | 0.71 | 0 | 8 | 8 | 11 | 12 | sw. | U. S. Weather Bureau. |
| Circleville | Pickaway | 694 | 25 | 62.8 | - 0.4 | 90 | 2 [†] | 28 | 11 | 45 | 2.35 | - 1.23 | 0.74 | 0 | 11 | 17 | 5 | 9 | sw. | Dr. H. R. Clarke. |
| Clarington | Monroe | 600 | 10 | 60.4 | - 2.0 | 91 | 5 | 25 | 11 | 48 | 4.60 | + 0.78 | 1.10 | 0 | 11 | 11 | 7 | 13 | sw. | Col. S. Tschappat. |
| Columbus | Franklin | 918 | 35 | 61.7 | - 0.6 | 86 | 5 | 34 | 11 | 30 | 2.60 | - 1.12 | 0.89 | 0 | 9 | 9 | 14 | 8 | nw. | U. S. Weather Bureau. |
| Coshocton | Coshocton | 770 | 4 | | | | | | | | 3.48 | | 0.70 | 0 | 11 | | | | | Mrs. Ada Jeffries. |
| Dayton (1) | Montgomery | 899 | 2 | 62.7 | + 0.1 | 87 | 30 | 34 | 11 | 32 | 3.41 | - 0.47 | 1.17 | 0 | 8 | 13 | 3 | 15 | s. | U. S. Weather Bureau. |
| Dayton (2) | do. | 790 | 32 | 62.6 | - 0.3 | 90 | 30 | 28 | 11 | 44 | 3.93 | + 0.11 | 1.32 | 0 | 9 | | | | | Mrs. Edith E. L. Boyer. |
| Delaware | Delaware | 896 | 16 | 60.6 | + 0.1 | 88 | 2 | 27 | 11 | 46 | 3.21 | - 0.83 | 1.42 | 0 | 10 | 15 | 9 | 7 | w. | DeWitt H. Leas. |
| Demos | Belmont | 1,325 | 25 | 61.2 | 0 | 90 | 4 | 30 | 11 [†] | 44 | 3.55 | + 0.10 | 0.78 | 0 | 13 | 17 | 6 | 8 | s. | J. T. Dysart. |
| Dennison | Tuscarawas | 846 | 3 | 61.4 | | 93 | 5 | 26 | 11 [†] | 50 | 2.57 | | 0.63 | 0 | 10 | 17 | 9 | 5 | n. | Water Supply Co. |
| Frankfort | Ross | 745 | 21 | 61.8 | - 1.2 | 91 | 5 | 28 | 11 | 46 | 2.23 | - 1.31 | 0.59 | 0 | 7 | 15 | 5 | 11 | sw. | O. A. Cory. |
| Gallipolis | Gallia | 580 | 1 | | | | | | | | 5.41 | | 0.97 | 0 | 11 | | | | | Samuel F. Neal. |
| Garrettsville | Portage | 1,005 | 29 | 56.2 | - 0.7 | 85 | 3 [†] | 24 | 11 [†] | 44 | 3.00 | - 0.81 | 0.70 | 0 | 12 | 12 | 10 | 9 | nw. | M. S. Luther. |
| Granville | Licking | 960 | 31 | 60.5 | - 0.1 | 87 | 5 | 26 | 11 | 43 | 2.92 | - 0.68 | 0.85 | 0 | 10 | 15 | 2 | 14 | sw. | Dr. L. E. Davis. |
| Gratiot | do. | 1,000 | 24 | 59.8 | - 1.0 | 85 | 5 | 27 | 11 | 38 | 2.10 | - 1.46 | 0.49 | 0 | 12 | 12 | 12 | 7 | w. | W. B. Longstreth. |
| Green | Adams | 500 | 20 | 62.8 | - 1.4 | 90 | 5 | 29 | 11 [†] | 48 | 4.52 | + 0.78 | 0.80 | 0 | 9 | 19 | 4 | 8 | w. | W. F. Kenyon. |
| Green Hill | Columbiana | 1,135 | 20 | 56.5 | - 1.4 | 85 | 5 | 23 | 11 [†] | 43 | 3.37 | + 0.35 | 0.84 | 0 | 9 | 15 | 13 | 3 | sw. | Jos. E. Bentley. |
| Greenville | Darke | 1,060 | 27 | 62.7 | + 2.2 | 87 | 2 | 33 | 11 | 48 | 3.35 | - 0.57 | 1.16 | 0 | 9 | 15 | 6 | 10 | nw. | Geo. A. Katzenberger. |
| Hamilton | Butler | 601 | 1 | 62.9 | | 88 | 30 | 27 | 10 | 44 | 4.07 | | 1.35 | 0 | 9 | 18 | 5 | 8 | | Earl W. Stout. |
| Haydenville | Hocking | 700 | 1 | 59.5 ⁺ | | 89 | 5 | 25 ^c | 11 | 44 ⁺ | 2.32 | | 1.16 | 0 | 4 | | | | | H. W. Stiers. |
| Hillsboro | High and Lawrence | 1,063 | 34 | | | | | | | | | | | | | | | | | Carey H. Roush. |
| Ironton | Lawrence | 575 | 30 | 65.0 | + 1.4 | 93 | 5 | 31 | 11 | 44 | 5.26 | + 1.63 | 1.60 | 0 | 10 | 14 | 10 | 7 | sw. | James Bull. |
| Kenton | Hardin | 1,015 | 21 | 59.8 | - 0.4 | 85 | 2 | 25 | 11 | 36 | 2.28 | - 1.76 | 0.82 | 0 | 6 | 18 | 7 | 6 | sw. | Frank B. Rarey. |
| Killbuck | Holmes | 1,087 | 20 | 61.4 | + 1.0 | 85 | 2 [†] | 27 | 11 [†] | 41 | 3.18 | - 0.54 | 0.67 | 0 | 10 | 29 | 1 | 1 | se. | John A. Schonauer. |
| Kings Mills | Warren | 640 | 1 | | | | | | | | 3.79 | | 1.25 | 0 | 8 | 16 | 7 | 8 | ne. | Frank M. See. |
| Lancaster | Fairfield | 898 | 18 | 61.2 | - 0.7 | 88 | 4 [†] | 30 | 1 | 38 | 2.01 | - 2.08 | 0.63 | 0 | 8 | 18 | 2 | 11 | sw. | R. L. Renshaw. |
| McConnellsville | Morgan | 710 | 29 | 60.3 | - 1.7 | 87 | 5 | 26 | 11 | 42 | 4.33 | + 0.52 | 1.40 | 0 | 10 | 12 | 5 | 14 | s. | C. H. Morris. |
| Marietta | Washington | 627 | 93 | 63.0 | + 0.1 | 90 | 2 | 29 | 11 | 45 | 5.43 | + 1.56 | 1.69 | 0 | 13 | 10 | 9 | 12 | n. | Prof. T. D. Biscoe. |
| Marion | Marion | 980 | 35 | 61.3 | + 0.4 | 88 | 2 | 27 | 11 | 42 | 2.41 | + 1.27 | 0.75 | 0 | 11 | 11 | 13 | 7 | sw. | Dr. E. H. Raffensperger. |
| Millforton | Knox | 1,200 | 21 | 59.1 | - 0.4 | 84 | 3 [†] | 28 | 11 [†] | 40 | 2.25 | - 1.55 | 1.13 | 0 | 7 | 15 | 11 | 5 | sw. | L. H. Burgess. |
| Milligan | Perry | 875 | 20 | | | | | | | | | | | | | | | | | V. C. Eveland. |
| Millport | Columbiana | 1,145 | 20 | 57.4 | - 1.6 | 86 | 5 | 23 | 11 [†] | 44 | 3.92 | + 0.86 | 0.96 | 0 | 10 | 8 | 17 | 6 | sw. | G. F. Copeland. |
| Nellie | Coshocton | 850 | 13 | 58.8 | - 2.2 | 86 | 5 | 23 | 11 | 50 | 2.88 | - 0.55 | 0.68 | 0 | 10 | 15 | 9 | 7 | nw. | Ethel L. Gammertsfelder. |
| New Berlin | Stark | 1,100 | 20 | 58.0 | - 1.6 | 86 | 3 | 26 | 11 | 48 | 4.00 | + 0.52 | 1.00 | 0 | 8 | 22 | 4 | 5 | n. | Clayton Holl. |
| New Waterford | Columbiana | 1,053 | 18 | 59.8 | - 1.2 | 93 | 2 | 26 | 11 [†] | 54 | 2.97 | + 0.40 | | 0 | | 18 | 12 | 1 | sw. | Sam C. Scott. |
| O. S. University | Franklin | 757 | 30 | 60.8 ⁺ | - 0.2 | 84 ⁺ | 30 | 29 | 11 | 37 ⁺ | 2.47 | - 1.39 | 0.78 | 0 | 9 | 10 | 12 | 9 | sw. | Prof. H. C. Lord. |
| Oregonia | Warren | | | | | | | | | | | | | | | | | | | E. H. Stephens. |
| Pataskala | Licking | 1,015 | 21 | 59.8 | - 1.3 | 87 | 5 | 26 | 11 | 40 | 2.38 | - 1.35 | 0.44 | 0 | 11 | 11 | 14 | 6 | sw. | J. N. Ridenour. |
| Peebles | Adams | 645 | 2 | 61.3 | | 88 | 5 | 24 | 1 | 50 | 5.26 | | 1.7 | 0 | 11 | 14 | 10 | 7 | nw. | Ora O. Smalley. |
| Philo | Muskingum | 1,018 | 18 | 61.4 | - 1.4 | 89 | 3 [†] | 30 | 11 | 35 | 2.49 | - 1.10 | 0.42 | 0 | 10 | 13 | 11 | 7 | nw. | L. C. Burekholter. |
| Piqua | Miami | 847 | 3 | | | | | | | | 2.70 | | 1.23 | 0 | 8 | 12 | 5 | 14 | se. | Harry L. Roberts. |
| Plattsburg | Clark | 1,130 | 20 | 61.2 | - 0.2 | 85 | 2 | 29 | 11 | 36 | 4.07 | + 0.38 | 2.00 | 0 | 7 | 13 | 9 | 9 | sw. | F. E. Stewart. |
| Portsmouth | Scioto | 527 | 82 | 65.4 | + 0.4 | 93 | 4 [†] | 32 | 11 | 44 | 3.93 | + 0.35 | 1.02 | 0 | 10 | 16 | 2 | 13 | sw. | Dr. H. A. Schirrmann. |
| Prospect | Marion | 909 | 3 | | | | | | | | | | | | | | | | | Neil J. Gast. |
| Sidney | Shelby | 985 | 30 | 61.4 | - 0.3 | 87 | 2 [†] | 30 | 11 | 39 | 1.98 | - 2.35 | 0.74 | 0 | 9 | 13 | 8 | 10 | sw. | Hamline B. Blake. |
| Somerset | Perry | 1,080 | 14 | 63.0 | - 0.2 | 88 | 2 [†] | 33 | 10 [†] | 38 | 3.18 | - 0.75 | 0.83 | 0 | 10 | 18 | 10 | 3 | s. | Miss M. W. C. Sheridan. |
| Springfield | Clark | 980 | 19 | | | | | | | | 6.15 | + 2.61 | 3.63 | 0 | 9 | 9 | 15 | 7 | sw. | W. A. Webster. |
| Summerfield | Noble | 1,187 | 7 | 59.9 | | 88 | 4 [†] | 25 | 11 | 48 | 3.16 | | 0.73 | 0 | 11 | 13 | 12 | 6 | sw. | H. R. McIntock. |
| Syracuse | Meigs | 583 | 2 | 64.8 | | 95 | 4 | 26 | 11 | 49 | 5.75 | | 1.06 | 0 | 11 | 17 | 5 | 9 | w. | Irving R. Karr. |
| Thurman | Gallia | 696 | 20 | 63.2 | - 1.1 | 89 | 4 | 30 | 11 | 40 | 5.82 | + 2.91 | 1.55 | 0 | 8 | 11 | 7 | 13 | | D. D. Thomas. |
| Toboso | Licking | | | 60.4 | | 88 | 3 [†] | 27 | 11 [†] | 44 | 2.40 | | 0.59 | 0 | 7 | 14 | 8 | 9 | s. | H. A. Albyn. |
| Urbana | Champaign | 1,031 | 45 | 60.6 | - 0.3 | 86 | 2 [†] | 27 | 11 | 44 | 3.37 | - 0.13 | 1.14 | 0 | 10 | 11 | 16 | 4 | nw. | Prof. J. H. Williams. |
| Warren | Trumbull | 900 | 24 | 57.4 | - 1.1 | 87 [†] | 4 [†] | 27 | 11 | 42 | 2.50 | | 1.18 | 0 | 7 | | | | nw. | M. D. McCorkle. |
| Waverly | Pike | 590 | 30 | 62.6 | - 1.3 | 90 | 5 | 28 | 11 | 46 | 4.60 | + 0.78 | 1.59 | 0 | 1 | 11 | 2 | 18 | s. | Dr. Peru Hutt. |
| Waynesville | Warren | 700 | 28 | 61.7 | - 0.3 | 85 | 30 | 31 | 11 | 33 | 3.03 | - 0.97 | 0.85 | 0 | 7 | 14 | 9 | 8 | sw. | Charles Michener. |
| Wooster | Wayne | 1,030 | 34 | 57.9 | - 0.8 | 86 | 5 | 25 | 11 | 46 | 3.04 | - 0.92 | 1.30 | 0 | 8 | 18 | 4 | 9 | nw. | Experiment Station. |
| Youngstown | Mahoning | 846 | 20 | | | | | | | | 2.28 | - 1.16 | 0.40 | 0 | 11 | 15 | 7 | 9 | sw. | J. M. Dickey. |
| Zanesville | Muskingum | 700 | 26 | | | | | | | | 3.08 | - 0.47 | 0.72 | 0 | 11 | | | | nw. | S. G. Sprague. |
| Indiana. | | | | | | | | | | | | | | | | | | | | |
| Anderson | Madison | 802 | 18 | 61.7 | - 0.3 | 85 | 30 | 28 ^d | 11 | 42 ^d | 3.86 | - 0.28 | 2.62 | 0 | 10 | 17 | 9 | 5 | s. | W. H. Stanton. |
| Attica | Fountain | 522 | 3 | | | | | | | | 2.01 | | 0.92 | 0 | 9 | | | | | J. Frederic Connell. |
| Bloomington | Monroe | 744 | 18 | 65.8 | + 1.4 | 95 | 30 | 34 | 11 | 43 | 0.53 | - 2.79 | 0.28 | 0 | 6 | 15 | 9 | 7 | sw. | Earl E. Ramsey. |
| Bluffton | Wells | 835 | 18 | 61.2 | + 0.8 | 87 | 2 | 28 | 11 | 44 | 3.33 | | 1.45 | 0 | 9 | 17 | 4 | 10 | sw. | George R. Rinchart. |
| Butlerville | Jennings | 767 | 28 | 64.4 | + 0.8 | 92 | 30 | 31 | 11 | 41 | 2.57 | - 2.04 | 0.58 | 0 | 9 | 20 | 4 | 7 | | C. F. Hole. |
| Cambridge City | Wayne | 941 | 22 | 60.2 | 0 | 89 | 30 | 26 | 11 | 49 | 3.54 | - 0.53 | 2.08 | 0 | 8 | 15 | 10 | 16 | s. | Heze Barnett. |
| Columbus | Bartholomew | 632 | 30 | 63.7 | + 1.3 | 92 | 30 | 30 | 11 | 42 | 0.89 | - 2.46 | 0.30 | 0 | 8 | 17 | 4 | 10 | sw. | John A |

TABLE 1.—Climatological data for May, 1913. District No. 3—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|--------------------|------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-----------------------|---------------------------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------------------|----------------------------|------------|--------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | |
| Indiana—Continued. | | | | | | | | | | | | | | | | | | | | |
| Judyville..... | Warren..... | 450 | 6 | 62.5 | ..... | 88 | 28† | 29 | 11 | 41 | 2.06 | ..... | 0.71 | 0 | 9 | 15 | 9 | 7 | sw. | W. A. Hill. |
| Kokomo..... | Howard..... | 840 | 21 | 61.4 | — 0.8 | 84 | 2† | 28 | 11 | 38 | 4.19 | + 0.20 | 2.31 | 0 | 9 | 14 | 11 | 6 | sw. | P. H. Robertson. |
| Lafayette..... | Tippecanoe..... | 617 | 34 | 62.6 | + 1.4 | 86 | 28 | 34 | 10† | 36 | 2.62 | + 1.79 | 0.96 | 0 | 6 | 19 | 3 | 9 | sw. | Wm. J. Jones, jr. |
| Logansport..... | Cass..... | 620 | 33 | 62.4 | + 0.2 | 89 | 2 | 31 | 11 | 41 | 4.78 | + 0.54 | 1.78 | 0 | 9 | 16 | 5 | 10 | e. | Chas. Massena. |
| Madison..... | Jefferson..... | 460 | 21 | 66.2 | + 0.7 | 95 | 30 | 36 | 12 | 44 | 2.16 | + 2.30 | 0.58 | 0 | 7 | 14 | 10 | 7 | nw. | Miss F. Cooperider. |
| Marengo..... | Crawford..... | 363 | 31 | 63.6 | — 0.8 | 92 | 30 | 30 | 12 | 49 | 1.85 | + 3.24 | 0.81 | 0 | 6 | 8 | 17 | 6 | sw. | J. M. Johnson. |
| Marion..... | Grant..... | 814 | 27 | 62.0 | + 1.1 | 87 | 5 | 29 | 11 | 39 | 3.78 | + 0.14 | 1.06 | 0 | 9 | 10 | 8 | 13 | s. | James F. Hood. |
| Mauzy..... | Rush..... | 980 | 33 | 61.3 | + 0.3 | 87 | 30 | 28 | 11 | 40 | 3.12 | + 1.31 | 1.30 | 0 | 7 | 11 | 9 | 11 | sw. | Elwood Kirkwood. |
| Monticello..... | White..... | 674 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.14 | ..... | 2.00 | 0 | 8 | 14 | 10 | 7 | s. | J. E. Loughry. |
| Moore Hill..... | Dearborn..... | 980 | 12 | 63.9 | + 0.8 | 88 | 30 | 32 | 11 | 44 | 2.35 | + 2.09 | 0.55 | 0 | 9 | 18 | 1 | 12 | nw. | W. S. Bigney. |
| Mount Vernon..... | Posey..... | 410 | 27 | 66.6 | + 0.5 | 96 | 30 | 42 | 11† | 40 | 0.38 | + 3.35 | 0.16 | 0 | 4 | 20 | 2 | 9 | sw. | Guy B. Green. |
| Nashville..... | Brown..... | ..... | ..... | 63.6a | ..... | 91a | 30 | 30a | 11 | 44a | 1.37 | ..... | 0.66 | 0 | 4 | 11a | 6a | 13a | sw. | W. C. Goble. |
| Paoli..... | Orange..... | 611 | 16 | 63.9 | — 0.8 | 96 | 30 | 29 | 12 | 48 | 1.47 | + 2.55 | 0.55 | 0 | 8 | 12 | 15 | 4 | sw. | James A. Gillum. |
| Princeton..... | Gibson..... | 481 | 31 | 67.0 | + 2.5 | 97 | 30 | 38 | 11 | 42 | 2.48 | + 1.15 | 1.00 | 0 | 3 | 20 | 5 | 6 | sw. | Albert Mills. |
| Richmond..... | Wayne..... | 972 | 28 | 61.3 | + 0.6 | 86 | 2 | 29 | 11 | 43 | 2.67 | + 1.34 | 1.33 | 0 | 8 | 10 | 17 | 4 | ..... | Walter Vossler. |
| Rochester..... | Fulton..... | 775 | 8 | 60.4 | ..... | 83 | 2 | 33 | 9 | 33 | 5.40 | ..... | 1.63 | 0 | 10 | 13 | 14 | 4 | ..... | G. P. Keith. |
| Rockville..... | Parke..... | 772 | 27 | 65.2 | + 3.2 | 91 | 28 | 34 | 11 | 44 | 1.26 | + 2.95 | 0.38 | 0 | 5 | 10 | 14 | 7 | sw. | C. A. Lee. |
| Rome..... | Perry..... | 370 | 10 | 67.4 | + 0.6 | 96 | 30† | 35 | 12 | 48 | 2.15 | + 1.53 | 0.64 | 0 | 9 | 18 | 7 | 6 | sw. | Adam Anspach. |
| Salamonia..... | Jay..... | 950 | 8 | 60.2b | ..... | 85b | 2† | 26b | 11 | 37b | 1.97 | ..... | 1.02 | 0 | 6 | 13 | 12 | 6 | sw. | S. A. Armstrong. |
| Salem..... | Washington..... | 717 | 20 | 64.0 | + 0.2 | 94 | 30 | 32 | 12 | 45 | 1.78 | + 1.97 | 0.90 | 0 | 7 | 9 | 15 | 7 | s. | Emmet S. Allen. |
| Scottsburg..... | Scott..... | 570 | 19 | 65.3 | — 0.2 | 93 | 30 | 34 | 12 | 42 | 1.94 | + 1.97 | 0.60 | 0 | 6 | 13 | 12 | 6 | sw. | Frank H. Park. |
| Seymour..... | Jackson..... | 610 | 26 | 66.0 | + 2.4 | 95 | 30 | 33 | 11† | 45 | 1.60 | + 2.57 | 0.68 | 0 | 5 | 13 | 13 | 5 | sw. | J. Thomas Hays. |
| Shelbyville..... | Shelby..... | 768 | 9 | 64.1 | ..... | 90 | 30† | 30 | 11 | 40 | 3.01 | ..... | 0.65 | 0 | 8 | 9 | 17 | 5 | sw. | Edgar G. Hodson. |
| Shoals..... | Martin..... | 523 | 6 | 65.8 | ..... | 93 | 31 | 36 | 12 | 44 | 1.73 | ..... | 1.06 | 0 | 6 | 21 | 0 | 10 | ne. | Rev. G. Halleck Rowe. |
| Terre Haute..... | Vigo..... | 498 | 23 | 65.0 | + 0.2 | 92 | 30 | 37 | 10 | 38 | 1.44 | + 2.67 | 0.64 | 0 | 6 | 8 | 13 | 10 | s. | U. S. Weather Bureau. |
| Veedsburg..... | Fountain..... | 612 | 14 | 65.0 | + 2.5 | 91 | 28 | 30 | 11 | 42 | 1.43 | + 3.00 | 0.50 | 0 | 8 | 18 | 9 | 4 | n. | L. A. Culver, jr. |
| Vevay..... | Switzerland..... | 525 | 32 | 65.2 | + 0.1 | 93 | 30 | 36 | 11† | 37 | 3.15 | + 1.49 | 0.75 | 0 | 7 | 6 | 14 | 11 | ne. | Miss Frederica Boerner. |
| Vincennes..... | Knox..... | 431 | 21 | 66.7 | + 0.8 | 97 | 30 | 40 | 11 | 39 | 1.70 | + 1.82 | 0.75 | 0 | 5 | 20 | 0 | 11 | se. | Garret V. List. |
| Washington..... | Daviess..... | 484 | 17 | 66.5 | + 1.9 | 95 | 30 | 38 | 11 | 34 | 1.02 | + 2.40 | 0.46 | 0 | 5 | 13 | 11 | 7 | sw. | Charles C. Feagans. |
| Whitestown..... | Boone..... | 529 | 5 | 62.2 | ..... | 89 | 30 | 38 | 10† | 42 | 2.28 | ..... | 0.67 | 0 | 7 | 3 | 25 | 3 | nw. | Clyde O. Laughner. |
| Winona Lake..... | Kosciusko..... | 865 | 6 | 59.9 | ..... | 86 | 2† | 29 | 10† | 40 | 4.11 | ..... | 1.97 | 0 | 8 | 7 | 22 | 2 | sw. | Rev. Albert A. Young. |
| Worthington..... | Greene..... | 526 | 31 | 65.8 | + 2.6 | 96 | 30 | 35 | 11 | 43 | 0.56 | + 3.50 | 0.25 | 0 | 3 | 11 | 15 | 5 | sw. | D. W. Sollday. |
| Illinois. | | | | | | | | | | | | | | | | | | | | |
| Albion..... | Edwards..... | 531 | 22 | 66.4 | + 0.4 | 94 | 30 | 39 | 11 | 37 | 2.65 | + 1.46 | 0.94 | 0 | 8 | 19 | 6 | 6 | sw. | B. F. Michels. |
| Casey..... | Clark..... | 645 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.50 | + 2.91 | 0.50 | 0 | 1 | 13 | 10 | 8 | s. | William Chenoweth. |
| Charleston..... | Coles..... | 720 | 28 | 65.6 | + 2.1 | 94 | 30 | 32 | 11 | 40 | 0.61 | + 3.15 | 0.27 | 0 | 5 | 6 | 15 | 10 | s. | Jacob B. Daisly. |
| Danville..... | Vermilion..... | 604 | 12 | 65.2 | + 0.4 | 92 | 28 | 34 | 10† | 43 | 0.54 | + 2.81 | 0.30 | 0 | 5 | 19 | 5 | 7 | sw. | J. J. Lemon. |
| Equality..... | Gallatin..... | 421 | 15 | 65.4 | + 2.1 | 99 | 30 | 41 | 11† | 36c | 1.22 | + 2.07 | 0.62 | 0 | 4 | — | — | — | ..... | Dr. L. W. Gordon. |
| Fairfield..... | Wayne..... | 450 | 20 | 66.4 | + 0.4 | 97 | 30 | 36 | 8 | 44 | 2.30 | + 1.37 | 0.59 | 0 | 8 | 15 | 12 | 4 | sw. | George A. Tromly. |
| Flora..... | Clay..... | 495 | 27 | 65.9 | + 2.0 | 96 | 30 | 38 | 12 | 40 | 1.58 | + 2.41 | 0.55 | 0 | 6 | 14 | 10 | 7 | sw. | W. L. Hanna. |
| Golconda..... | Pope..... | 500 | 35 | 68.6 | + 1.2 | 95 | 31 | 41 | 12 | 42 | 1.73 | + 2.29 | 0.73 | 0 | 3 | 13 | 10 | 8 | sw. | Dr. D. Lawrence. |
| Hoopeston..... | Vermilion..... | 715 | 11 | 63.6 | + 1.4 | 89 | 29† | 30 | 10 | 39 | 1.99 | + 1.86 | 0.56 | 0 | 9 | 19 | 7 | 5 | ..... | S. F. Hoskinson. |
| McLeansboro..... | Hamilton..... | 462 | 30 | 66.0 | + 0.8 | 94 | 30 | 42 | 11† | 39 | 2.25 | + 1.49 | 0.65 | 0 | 8 | 21 | 3 | 7 | s. | Prof. W. C. Fairweather. |
| Metropolis..... | Massac..... | 346 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.85 | ..... | 0.50 | 0 | 3 | 22 | 3 | 6 | ..... | Henry H. Humma. |
| Montrose..... | Effingham..... | 599 | 3 | 64.4 | ..... | 96 | 30 | 34 | 11 | 44 | 0.58 | ..... | 0.45 | 0 | 4 | 9 | 18 | 4 | sw. | J. C. Spittler. |
| Mount Carmel..... | Wabash..... | 424 | 12 | 66.2 | + 0.0 | 95 | 30 | 42 | 11† | 38 | 2.06 | + 1.54 | 0.76 | 0 | 7 | 15 | 6 | 10 | s. | Mrs. H. M. Phillips. |
| New Burnside..... | Johnson..... | 613 | 18 | 65.2 | + 1.9 | 94 | 31 | 40 | 7 | 35 | 1.64 | + 2.12 | 0.65 | 0 | 7 | — | — | — | s. | Thomas H. McCabe. |
| Newton..... | Jasper..... | 484 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.39 | ..... | 0.46 | 0 | 6 | 17 | 9 | 5 | ..... | J. M. Hicks. |
| Olney..... | Richland..... | 486 | 26 | 65.0 | + 0.4 | 95 | 30 | 38 | 10 | 40 | 2.37 | + 1.37 | 0.58 | 0 | 8 | 16 | 11 | 4 | sw. | John T. Ratcliff. |
| Palestine..... | Crawford..... | 500 | 31 | 66.6 | + 2.7 | 97a | 29 | 37a | 10 | 40a | 0.79 | + 2.77 | 0.34 | 0 | 7 | 18a | 3a | 9a | s. | Duane Shaw. |
| Paris..... | Edgar..... | 600 | 20 | 63.6 | + 0.1 | 91 | 30 | 32 | 11 | 41 | 2.31 | + 1.59 | 2.12 | 0 | 3 | 7 | 23 | 1 | sw. | H. P. Twyman. |
| Philo..... | Champaign..... | 700 | 29 | 63.6 | + 1.8 | 92 | 30 | 32 | 11 | 39 | 0.57 | + 3.32 | 0.22 | 0 | 4 | 16 | 9 | 6 | sw. | H. A. Burr. |
| Rileyville..... | Saline..... | 400 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.61 | + 1.63 | 0.50 | 0 | 6 | 15 | 5 | 11 | s. | W. H. Thornberry. |
| Shawneetown..... | Gallatin..... | 307 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.02 | ..... | 0.42 | 0 | 6 | — | — | — | ..... | Mrs. Mary O. Spivey. |
| Tuscola..... | Douglas..... | 644 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.80 | + 2.68 | 0.23 | 0 | 6 | 12 | 15 | 4 | nw. | Joseph O'Neal. |
| Urbana..... | Champaign..... | 751 | 11 | 62.8 | + 1.3 | 89 | 31 | 33 | 10† | 37 | 0.56 | + 3.45 | 0.30 | 0 | 5 | 5 | 18 | 8 | s. | University of Illinois. |
| Kentucky. | | | | | | | | | | | | | | | | | | | | |
| Alpha..... | Clinton..... | ..... | 19 | 65.9 | — 0.7 | 86 | 30 | 38 | 12 | 35 | 2.57 | + 1.31 | 1.30 | 0 | 5 | 16 | 8 | 7 | w. | W. W. Hicks. |
| Anchorage..... | Jefferson..... | 700 | 12 | 64.4 | + 0.3 | 91 | 30 | 35 | 11 | 44 | 1.43 | + 2.54 | 0.30 | 0 | 8 | 18 | 7 | 6 | sw. | C. E. Barrett. |
| Bardstown..... | Nelson..... | 637 | 16 | 67.8 | + 1.1 | 93 | 30 | 37 | 12 | 44 | 3.06 | + 0.36 | 0.87 | 0 | 8 | 20 | 4 | 7 | s. | T. S. Talbott. |
| Beattyville..... | Lee..... | 650 | 9 | 64.6 | + 0.5 | 91 | 2† | 30 | 12 | 52 | 4.04 | + 0.14 | 1.24 | 0 | 9 | 17 | 3 | 11 | e. | G. W. Cann. |
| Beaver Dam..... | Ohio..... | 441 | 10 | 66.9 | + 0.9 | 97 | 31 | 35 | 12 | 50 | 0.87 | + 3.00 | 0.30 | 0 | 5 | 19 | 5 | 7 | a. | W. T. Austin. |
| Berea..... | Madison..... | 1,070 | 12 | 66.6 | + 1.0 | 91 | 5 | 38 | 11 | 44 | 3.40 | + 0.73 | 0.87 | 0 | 11 | 18 | 6 | 7 | sw. | C. F. Rumold. |
| Blandville..... | Ballard..... | 445 | 32 | 67.4 | + 0.9 | 93 | 31 | 47 | 11 | 32 | 0.65 | + 3.88 | 0.26 | 0 | 5 | 11 | 11 | 9 | sw. | E. W. Horr. |
| Bowling Green..... | Warren..... | 500 | 24 | 67.8 | + 0.2 | 94 | 30† | 38 | 12 | 47 | 1.55 | + 2.53 | 0.55 | 0 | 6 | 20 | 5 | 6 | s. | Mrs. L. G. Causey. |
| Burnside..... | Pulaski..... | 773 | 22 | ..... | ..... |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

TABLE 1.—Climatological data for May, 1913. District No. 3—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|---------------------|-------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|---------------|--------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Kentucky—Continued. | | | | | | | | | | | | | | | | | | | | |
| St. John. | Hardin. | 777 | 17 | 65.0 | + 0.6 | 93 | 30 | 36 | 12 | 42 | 2.90 | - 1.12 | 0.91 | 0 | 8 | 22 | 1 | 8 | ----- | Bethlehem Academy. |
| Scott. | Kenton. | 15 | 64.7 | + 0.5 | 89 | 30 | 35 | 11 | 39 | 2.48 | - 1.63 | 0.76 | 0 | 9 | 10 | 15 | 6 | s. | E. B. Wilson. | |
| Shelby City. | Boyle. | 1,087 | 19 | 64.4 | - 0.1 | 90 | 3† | 30 | 12 | 50 | 2.64 | - 1.11 | 1.13 | 0 | 10 | 19 | 7 | 5 | sw. | H. F. Ewing. |
| Shelbyville. | Shelby. | 759 | 24 | 67.2 | + 2.2 | 94 | 30 | 37 | 11 | 41 | 2.74 | - 1.27 | 0.75 | 0 | 6 | 22 | 1 | 8 | s. | C. R. Burnett. |
| Taylorville. | Spencer. | 489 | 11 | 64.8 | - 0.2 | 92 | 30 | 33 | 12 | 44 | 1.82 | - 1.70 | 0.65 | 0 | 10 | 15 | 6 | 10 | s. | E. D. Bourne. |
| Williamsburg. | Whitley. | 939 | 17 | 66.6 | + 0.5 | 90 | 3† | 34 | 12 | 47 | 3.84 | - 0.03 | 0.96 | 0 | 10 | 21 | 2 | 8 | w. | Noble C. Jones. |
| Williamstown. | Grant. | 943 | 11 | 63.1 | - 0.3 | 88 | 5† | 33 | 11 | 39 | 3.46 | + 0.20 | 1.04 | 0 | 8 | 19 | 5 | 7 | ----- | Miss Rose Carter. |
| Tennessee. | | | | | | | | | | | | | | | | | | | | |
| Ashwood. | Maury. | 725 | 40 | 68.1 | + 0.5 | 93 | 31 | 42 | 1 | 45 | 3.35 | - 0.61 | 1.25 | 0 | 7 | 6 | 11 | 14 | s. | Mrs. Joseph W. Fleming. |
| Benton. | Polk. | 880 | 29 | 68.0 | + 1.0 | 92 | 4 | 40 | 1 | 43 | 4.96 | + 0.75 | 1.93 | 0 | 7 | 12 | 14 | 5 | w. | George L. Williams. |
| Birds Bridge. | Greene. | 7 | 18 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 6.55 | ----- | 1.31 | 0 | 12 | 11 | 2 | 18 | w. | David B. George. |
| Bluff City. | Sullivan. | 18 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 6.56 | + 3.07 | 1.11 | 0 | 11 | 14 | 4 | 13 | e. | Walter C. Masengill. |
| Byrdstown. | Pickett. | 1,026 | 21 | 68.0 | + 1.8 | 90 | 5 | 42 | 11 | 37 | 3.61 | - 0.92 | 1.36 | 0 | 7 | 5 | 14 | 12 | s. | John Lacy. |
| Carthage. | Smith. | 500 | 30 | 67.8 | + 0.8 | 92 | 31 | 44 | 1† | 41 | 5.50 | + 1.73 | 1.50 | 0 | 12 | 23 | 0 | 8 | se. | Earl C. Pickering. |
| Cedar Hill. | Robertson. | 625 | 15 | 69.4 | + 2.3 | 95 | 31 | 42 | 11 | 40 | 3.09 | - 1.14 | 1.70 | 0 | 7 | 17 | 11 | 3 | s. | J. Frank Ruffin. |
| Celina. | Clay. | 494 | 10 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 2.46 | - 2.01 | 1.07 | 0 | 7 | 22 | 1 | 8 | ----- | Charles M. Anderson. |
| Charleston. | Bradley. | 709 | 29 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 3.33 | - 1.55 | 2.00 | 0 | 8 | 13 | 5 | 13 | n. | John T. Weeks. |
| Chattanooga. | Hamilton. | 808 | 34 | 69.1 | + 0.5 | 89 | 31 | 49 | 1 | 34 | 4.30 | + 0.68 | 2.22 | 0 | 13 | 8 | 14 | 9 | sw. | U. S. Weather Bureau. |
| Clarksville. | Montgomery. | 500 | 53 | 69.4 | + 3.5 | 94 | 31 | 46 | 1† | 41 | 2.09 | - 2.04 | 0.97 | 0 | 7 | 15 | 12 | 4 | s. | Prof. James A. Lyon. |
| Clinton. | Anderson. | 800 | 29 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 3.82 | + 0.13 | 1.22 | 0 | 9 | 18 | 6 | 7 | sw. | H. C. Slover. |
| Crossville. | Cumberland. | 1,895 | 1 | 65.1 | ----- | 87 | 5 | 39 | 11 | 36 | 5.48 | ----- | 1.44 | 0 | 11 | 13 | 14 | 4 | ----- | J. E. Converse. |
| Dandridge. | Jefferson. | 8 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 4.78 | ----- | 1.32 | 0 | 9 | 18 | 4 | 9 | w. | James E. Swann. |
| Decatur. | Meigs. | 850 | 18 | 68.6 | + 1.1 | 92 | 5 | 38 | 12 | 45 | 3.29 | - 1.21 | 1.70 | 0 | 8 | 17 | 10 | 4 | sw. | J. Worth Lillard. |
| Dickson. | Dickson. | 800 | 20 | 66.6 | - 0.3 | 91 | 31 | 45 | 11 | 38 | 2.49 | - 2.04 | 0.75 | 0 | 6 | 14 | 8 | 9 | s. | Nathan R. Sugg. |
| Dover. | Stewart. | 500 | 17 | 68.2 | + 0.7 | 95 | 31 | 44 | 1 | 42 | 3.79 | - 0.25 | 1.40 | 0 | 7 | 17 | 7 | 7 | s. | Asa M. Tippet. |
| Dunlap. | Sequatchie. | 726 | 4 | 68.2 | ----- | 93 | 31 | 41 | 1 | 46 | 5.77 | ----- | 2.48 | 0 | 11 | 9 | 19 | 3 | ----- | S. Bradford Boyd. |
| Elizabethton. | Carter. | 1,575 | 22 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 6.40 | + 2.22 | 1.40 | 0 | 9 | 18 | 2 | 11 | e. | Charles Boyd. |
| Erasmus. | Cumberland. | 1,850 | 16 | 63.1 | + 1.0 | 87 | 31 | 38 | 11 | 42 | 5.38 | + 0.81 | 1.14 | 0 | 11 | 11 | 16 | 4 | se. | Mrs. Sarah E. Ashley. |
| Florence. | Rutherford. | 560 | 31 | 68.0 | + 0.7 | 91 | 31 | 45 | 1 | 36 | 2.79 | - 1.23 | 0.85 | 0 | 9 | 18 | 5 | 8 | s. | Erastus P. Bell. |
| Franklin. | Williamson. | 648 | 25 | 67.6 | + 0.9 | 92 | 31 | 45 | 1 | 37 | 3.89 | - 0.15 | 1.65 | 0 | 9 | 14 | 6 | 11 | ----- | Young M. Rizer. |
| Halls Hill. | Rutherford. | 10 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 3.76 | - 0.61 | 1.30 | 0 | 6 | 19 | 2 | 10 | s. | Edward F. Wright. |
| Hohenwald. | Lewis. | 983 | 30 | ----- | ----- | 92 | 30† | ----- | ----- | ----- | 1.75 | - 2.48 | 0.55 | 0 | 10 | 12 | 13 | 6 | nw. | Mrs. Mary Lutzelman. |
| Iron City. | Lawrence. | 600 | 18 | 67.1 | 0.0 | 94 | 31 | 40 | 1 | 50 | 3.97 | - 0.44 | 1.52 | 0 | 10 | 5 | 22 | 4 | nw. | Capt. H. Paul Seavy. |
| Jefferson City. | Jefferson. | 3 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 5.24 | ----- | 1.72 | 0 | 9 | ----- | ----- | ----- | ----- | Calvin C. Maddox. |
| Johnson City. | Washington. | 1,620 | 20 | 66.0 | + 1.4 | 92 | 5 | 34 | 11 | 51 | 5.09 | + 0.90 | 1.07 | 0 | 9 | 20 | 7 | 4 | w. | Ward Crosby. |
| Johnsonville. | Humphreys. | 364 | 29 | 68.6 | + 0.4 | 97 | 31 | 42 | 1 | 46 | 3.20 | - 0.78 | 1.17 | 0 | 9 | 14 | 10 | 7 | s. | Miss Sallie B. Mathews. |
| Kingston. | Roane. | 29 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 5.62 | + 1.68 | 1.70 | 0 | 10 | 16 | 0 | 15 | s. | Henry Crumbliss. |
| Knoxville. | Knox. | 977 | 42 | 67.8 | + 1.3 | 89 | 30 | 44 | 11 | 35 | 4.86 | + 1.16 | 2.35 | 0 | 10 | 10 | 12 | 9 | sw. | U. S. Weather Bureau. |
| Lebanon. | Wilson. | 522 | 4 | 68.4 | ----- | 89 | 30† | 41 | 11 | 41 | 2.91 | ----- | 0.82 | 0 | 10 | 9 | 6 | 16 | n. | H. Logan Fields. |
| Lewisburg. | Marshall. | 727 | 19 | 67.6 | + 0.2 | 94 | 31 | 42 | 1 | 44 | 4.12 | + 0.32 | 1.77 | 0 | 9 | 11 | 16 | 4 | s. | Dr. Robert D. Crutcher. |
| Liberty. | DeKalb. | 672 | 16 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 4.48 | ----- | 1.23 | 0 | 8 | 17 | 0 | 14 | s. | Bratten Evans. |
| Loudon. | Loudon. | 816 | 22 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 3.56 | - 0.66 | 1.80 | 0 | 5 | 19 | 5 | 7 | ne. | Robert W. Clark. |
| Lynnville. | Giles. | 770 | 26 | 66.7 | + 0.1 | 92 | 31 | 45 | 1 | 36 | 5.17 | + 0.74 | 1.23 | 0 | 11 | 14 | 15 | 2 | s. | Col. James H. Burrow. |
| McGhee. | Monroe. | 8 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 4.69 | ----- | 2.48 | 0 | 6 | 23 | 0 | 8 | s. | Miss Alice L. Headrick. |
| McMinnville. | Warren. | 1,011 | 32 | 68.1 | + 1.3 | 91 | 30† | 41 | 1 | 44 | 3.62 | - 0.18 | 0.92 | 0 | 9 | ----- | ----- | ----- | ----- | Horace H. Stiles. |
| Maryville. | Blount. | 1,050 | 20 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 0 | 9 | ----- | ----- | ----- | Mrs. Sam T. Broyles. |
| Marysville. | Blount. | 1,050 | 20 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 0 | 9 | ----- | ----- | ----- | Edward E. Barry. |
| Mountain City. | Johnson. | 2,486 | 16 | 60.8 | - 0.3 | 85 | 4† | 26 | 11 | 48 | 6.18 | + 1.96 | 2.30 | 0 | 13 | 13 | 13 | 5 | ----- | U. S. Weather Bureau. |
| Nashville. | Davidson. | 654 | 42 | 68.8 | 0.0 | 92 | 31 | 48 | 11 | 33 | 2.66 | - 0.84 | 0.96 | 0 | 9 | 11 | 13 | 7 | s. | Dr. Charles T. Burnett. |
| Newport. | Cocke. | 1,280 | 23 | 66.2 | + 0.1 | 85 | 30 | 38 | 12 | 35 | 6.02 | + 1.59 | 1.60 | 0 | 10 | 12 | 7 | 12 | sw. | U. S. Weather Bureau. |
| New River. | Scott. | 1,215 | 5 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 4.54 | ----- | 0.94 | 0 | 8 | 21 | 3 | 7 | s. | Dr. Charles T. Burnett. |
| Palmetto. | Bedford. | 770 | 23 | 67.6 | - 0.3 | 93 | 31 | 44 | 1 | 37 | 5.56 | + 1.54 | 1.28 | 0 | 11 | 11 | 16 | 4 | s. | Burl W. Buttram. |
| Perryville. | Decatur. | 387 | 17 | 68.2 | ----- | 97 | 31 | 45 | 12 | 36 | 3.96 | - 0.04 | 1.50 | 0 | 7 | 16 | 3 | 12 | n. | Mrs. Ross Woods. |
| Finewood. | Hickman. | 7 | 67.4 | ----- | ----- | 97 | 31 | 40 | 1 | 48 | 2.57 | ----- | 1.25 | 0 | 6 | 15 | 12 | 4 | s. | Oliver C. Kirksey. |
| Rogersville. | Hawkins. | 1,150 | 29 | 65.6 | + 0.9 | 90 | 5 | 39 | 11† | 43 | 7.20 | + 3.50 | 1.50 | 0 | 11 | 19 | 5 | 7 | w. | Miss Carrie Cash. |
| Rugby. | Morgan. | 1,410 | 24 | 64.2 | - 0.4 | 90 | 31 | 33 | 12 | 47 | 4.73 | + 0.41 | 1.01 | 0 | 9 | 10 | 9 | 12 | sw. | Fred Beal. |
| Savannah. | Hardin. | 442 | 30 | 69.1 | + 0.4 | 95 | 31 | 45 | 1 | 42 | 3.01 | - 1.34 | 0.50 | 0 | 9 | 14 | 11 | 6 | s. | Samuel G. Wilson. |
| Sevierville. | Sevier. | 7 | 66.5 | ----- | ----- | 90 | 5 | 36 | 12 | 41 | 6.76 | ----- | 1.96 | 0 | 12 | 5 | 10 | 16 | sw. | W. H. Carrington. |
| Sewanee. | Franklin. | 2,000 | 19 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 0 | ----- | ----- | ----- | ----- | Herbert O. Eckel. |
| Sparta. | White. | 920 | 7 | 66.9 | ----- | 90 | 30 | 42 | 1† | 43 | 3.61 | ----- | 0.92 | 0 | 8 | 11 | 6 | 14 | w. | University of the South. |
| Springville. | Henry. | 377 | 11 | 67.8 | + 1.1 | 97 | 31 | 42 | 1 | 44 | 1.86 | - 3.21 | 0.86 | 0 | 8 | 14 | 8 | 9 | s. | Ernest H. Hull. |
| Tazewell. | Clatsop. | 1,350 | 16 | 64.8 | ----- | 95 | 30 | 29 | 11 | 46 | 6.82 | + 2.88 | 2.10 | 0 | 8 | 17 | 3 | 11 | sw. | Hudnall A. Boden. |
| Tullahoma. | Coffee. | 1,075 | 26 | 66.8 | + 1.1 | 90 | 31 | 44 | 1 | 41 | 4.66 | + 1.00 | 0.90 | 0 | 10 | 10 | 16 | 5 | s. | J. Caloway Carr. |
| Walling. | White. | 909 | 9 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 3.29 | ----- | 1.40 | 0 | 8 | 15 | 7 | 9 | s. | Reuben T. Moore. |
| Waynesboro. | Wayne. | 753 | 28 | 67.3 | + 1.1 | 94 | 31 | 41 | 1 | 44 | 3.96 | + 0.04 | 1.23 | 0 | 10 | 8 | 15 | 8 | s. | John K. Roberts. |
| Wildersville. | Henderson. | 400 | 17 | 69.7 | + 1.9 | 96 | 31 | 46 | 1 | 41 | 2.88 | + 2.48 | 0.83 | 0 | 5 | 18 | 5 | 8 | s. | Harry C. Boyd. |
| Worsham. | Sumner. | 550 | 11 | ----- | ----- | -----</ | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 3—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|-----------------------|-----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|-----------------------|---------------------------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------------------|----------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| North Carolina—Contd. | | | | | | | | | | | | | | | | | | | | |
| Hot Springs..... | Madison..... | 1,326 | 15 | 65.2 | - 0.7 | 89 | 4 | 35 | 11 | 39 | 5.66 | ..... | 2.09 | 0 | 10 | 15 | 5 | 11 | w. | P. A. Garner. |
| Jefferson..... | Ashe..... | 2,900 | 6 | 60.6 | ..... | 86 | 5 | 28 | 11 | 45 | 6.59 | ..... | 2.00 | 0 | 11 | 6 | 4 | 21 | w. | Prof. E. J. Johnson. |
| Marshall..... | Madison..... | 1,646 | 11 | 64.4 | 0 | 88 | 5† | 36 | 11† | 45 | 5.06 | + 1.86 | 2.08 | 0 | 13 | 14 | 8 | 9 | w. | M. L. Church. |
| Murphy..... | Cherokee..... | 1,614 | 37 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.29 | + 1.41 | 2.00 | 0 | 11 | ..... | ..... | ..... | ..... | Miss Victoria Mingus. |
| Rock House..... | Macon..... | 3,100 | 21 | 62.7 | 0 | 81 | 30† | 43 | 12 | 24 | 4.73 | - 0.99 | 3.14 | 0 | 12 | 13 | 14 | 4 | s. | Barry C. Hawkins. |
| Waynesville..... | Haywood..... | 2,792 | 19 | 62.0 | 0 | 85 | 30 | 32 | 12 | 42 | 4.92 | + 0.92 | 1.90 | 0 | 10 | 6 | 15 | 10 | sw. | Mrs. Chas. E. Quinlan. |
| Virginia. | | | | | | | | | | | | | | | | | | | | |
| Blacksburg..... | Montgomery..... | 2,170 | 22 | 60.4 | + 0.1 | 87 | 4† | 27 | 12 | 46 | 5.12 | + 1.14 | 2.32 | 0 | 10 | 20 | 6 | 5 | w. | Agricultural Exp. Station. |
| Burkes Garden..... | Tazewell..... | 3,250 | 18 | 57.4 | - 0.5 | 80 | 4 | 24 | 12 | 47 | 4.57 | - 0.31 | 1.97 | 0 | 6 | 11 | 4 | 15 | w. | C. H. Greever. |
| Elk Knob..... | Lee..... | 3,243 | 10 | 65.0 | + 1.1 | 85 | 5 | 35 | 11 | 31 | 6.01 | + 2.32 | 2.01 | 0 | 12 | 13 | 9 | 9 | nw. | Henry Nicoll. |
| Ivanhoe..... | Wythe..... | 2,028 | 9 | 61.4 | ..... | 84 | 5 | 34 | 12 | 36 | 5.56 | ..... | 2.20 | 0 | 10 | 16 | 12 | 3 | w. | Miss Alice G. Jewett. |
| Max Meadows..... | do..... | 2,028 | 17 | 60.8 | - 1.1 | 88 | 4† | 26 | 12 | 50 | 4.41 | + 0.47 | 2.53 | 0 | 6 | 15 | 12 | 4 | sw. | James M. Graham. |
| Mendota..... | Washington..... | 1,350 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.68 | ..... | 0.92 | 0 | 13 | ..... | ..... | ..... | ..... | Frank M. Barker. |
| Mountain Lake..... | Giles..... | 4,348 | 3 | 54.9 | ..... | 80 | 4† | 28 | 10 | 44 | 6.78 | ..... | 2.67 | 0 | 10 | 20 | 6 | 5 | n. | H. E. Dorland. |
| Radford..... | Montgomery..... | 1,773 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.86 | ..... | 1.80 | 0 | 7 | ..... | ..... | ..... | ..... | Arthur Roberts. |
| Speers Ferry..... | Scott..... | 1,221 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.41 | + 3.46 | 1.82 | 0 | 13 | ..... | ..... | ..... | ..... | Miss L. E. Venable. |
| Wytheville..... | Wythe..... | 2,293 | 20 | 60.9 | - 0.5 | 86 | 5 | 29 | 12 | 42 | 5.87 | + 1.96 | 1.96 | 0 | 13 | 15 | 13 | 3 | nw. | U. S. Weather Bureau. |

a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

| Estimated by observer.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for May, 1913. District No. 3, Ohio Valley.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|-------------------|-------------|---------------|---|------|------|------|------|------|------|----|------|------|----|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| New York. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Allegheny | Allegheny | | | | | | T. | | | | | | | | 0.15 | 0.05 | | | 0.14 | | | 0.16 | 0.12 | 0.24 | 0.14 | 0.08 | | 0.44 | 1.01 | | | 2.53 | | |
| Bolivar | do | | | | | | | | | | | | | | | 0.06 | 0.05 | | 0.14 | | | | | 0.62 | 0.05 | 0.06 | | 0.36 | 0.86 | | | 2.20 | | |
| Olean | do | | | | | | | | | T. | | | | | | 0.12 | 0.08 | | 0.48 | | | | | 0.12 | 0.14 | 0.20 | T. | 0.02 | 0.45 | 0.96 | | | 2.57 | |
| Pennsylvania. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aleppo | Ohio | 0.24 | | | | | | | | | | | | | | | 0.45 | 0.55 | 0.14 | 0.05 | | | | 0.37 | 0.49 | 0.94 | | 0.07 | 1.30 | 0.24 | 0.71 | 5.55 | | |
| Baldwin | Allegheny | | | | | | | | | | | | | | T. | 0.55 | 0.10 | 0.05 | | 0.05 | | | 0.01 | 0.28 | 0.41 | 0.01 | | T. | 0.88 | | 0.12 | 2.46 | | |
| Beaver Dam | Ohio | | | | | | | | | | T. | | | | | 0.01 | 0.40 | 0.71 | | | | | T. | 0.08 | 0.14 | 0.06 | | 0.02 | 0.95 | 0.64 | 0.02 | 0.55 | 3.58 | |
| Beaver Falls | do | | | | | | | | | | T. | | | | | | 0.44 | 0.25 | | | | | T. | 0.14 | 0.19 | 0.04 | | 0.03 | 0.84 | 0.73 | 0.02 | 0.35 | 3.04 | |
| Brookville | Allegheny | | | | | | | | 0.02 | | | | | 0.01 | | 0.17 | 0.63 | 0.11 | | | | | 0.05 | 0.20 | 0.63 | 0.01 | | 1.45 | 0.35 | 0.11 | 0.01 | 3.75 | | |
| California | Monongahela | | | | | | | | | | | | | | | 0.21 | 0.36 | 0.17 | | | | | 0.34 | 0.31 | 0.13 | 0.04 | | | 0.85 | 0.82 | 0.81 | 0.15 | 5.19 | |
| Cheat Haven | do | | | | | | | 0.08 | | | | | | | | 0.28 | 0.48 | 0.02 | 0.02 | | | 1.21 | 0.84 | 0.03 | 0.02 | T. | 0.06 | 0.99 | 0.67 | 1.42 | 0.02 | 7.14 | | |
| Clarion | Allegheny | | | | | | | | | | 10 | | | | | 0.10 | 0.35 | 0.15 | | | | | 0.10 | 0.31 | 0.00 | | | T. | 1.18 | 0.26 | 0.41 | | 4.04 | |
| Claysville | Ohio | | | | | | T. | 11 | | T. | | | | | | 0.12 | 0.45 | 0.10 | T. | | | | 0.10 | 0.31 | 0.00 | | | T. | 1.18 | 0.26 | 0.41 | | 4.04 | |
| Confluence | You'ogh'ny | | | | | | | 16 | | | | | | | | 0.18 | 0.52 | 0.12 | T. | 10 | | | 0.05 | 0.27 | 0.31 | 0.15 | | 0.36 | 0.72 | 0.64 | 0.03 | 0.31 | 3.45 | |
| Corapolis | Ohio | | | | | | | T. | | | | | | 0.01 | | 0.07 | 0.32 | 0.34 | | T. | | | 0.06 | 0.13 | 0.31 | 0.15 | | 0.21 | 0.69 | 0.79 | 0.01 | 0.39 | 3.31 | |
| Davis Island Dam | do | | | | | | | T. | | | | | | | | 0.06 | 0.28 | 0.21 | | | | | 0.13 | 0.28 | 0.98 | | 0.03 | 0.22 | 0.68 | | 0.46 | | 4.59 | |
| Derry Station | Allegheny | | | | 0.06 | | 0.04 | | | | 0.03 | | | | 0.01 | 0.11 | 0.44 | 0.16 | | | 0.33 | | | 0.06 | 0.32 | T. | | 0.06 | T. | 1.11 | 0.05 | | | 2.67 |
| Edinboro | do | | | | | | | | | | | | | | | 0.07 | 0.21 | 0.42 | | 0.33 | | | T. | 0.19 | 0.20 | 0.05 | T. | | 0.73 | 0.84 | 0.02 | 0.28 | 3.14 | |
| Ellwood City | Ohio | | | | | | | | | | | | | | | 0.08 | 0.29 | 0.47 | | 0.05 | | | 0.02 | 0.18 | 0.36 | 0.02 | T. | 0.07 | 0.23 | 0.86 | T. | 0.05 | 2.85 | |
| Franklin | Allegheny | | | | | | | | | | 11 | 0.06 | | | | 0.08 | 0.29 | 0.47 | | | 0.05 | | | 0.02 | 0.20 | 0.49 | 0.28 | | 0.02 | 0.62 | 1.18 | | 0.20 | 4.39 |
| Freepoint | do | | | | | | | 0.07 | | | | | | | | 0.09 | 0.39 | 0.83 | | | | | 0.50 | 0.28 | 1.10 | 0.60 | | | 0.60 | 0.62 | | 1.00 | 5.98 | |
| Greensboro | Monongahela | | | | | | | | | | | | | | | 0.24 | 0.26 | 0.52 | 0.14 | 0.02 | | | 0.09 | 0.26 | 0.86 | 0.01 | 0.01 | 0.01 | 0.84 | 0.25 | 0.32 | | 3.82 | |
| Greensburg | You'ogh'ny | | | | | | 0.05 | 0.02 | | T. | | | | | | 0.09 | 0.59 | 0.09 | 0.03 | | | | | 0.09 | 0.26 | 0.86 | 0.01 | 0.01 | 0.01 | 0.84 | 0.25 | 0.32 | | 3.82 |
| Greenville | Ohio | | | | | | | | | | 16 | | | | | 0.03 | 0.30 | 0.39 | | T. | | | | 0.04 | 0.42 | 0.20 | | | 0.04 | 0.13 | 0.10 | 0.01 | 0.13 | 3.79 |
| Grove City | do | | | | | | | | | | | | | | | 0.03 | 0.30 | 0.39 | | | | | 0.04 | 0.42 | 0.20 | | | 0.04 | 0.13 | 0.10 | 0.01 | 0.13 | 3.79 | |
| Herr's Island Dam | Allegheny | | | | | | T. | 0.02 | | | | | | | T. | 0.05 | 0.33 | 0.34 | | | | | 0.05 | 0.16 | 0.31 | 0.20 | T. | 0.17 | 0.48 | 0.45 | | 0.44 | 3.00 | |
| Indiana | do | | | | | | 12 | 0.05 | | | | | | | | 0.05 | 0.60 | 0.53 | | 0.02 | | | 0.13 | 0.32 | 0.97 | 0.03 | 0.23 | | 1.60 | 0.19 | 0.58 | 0.04 | 5.46 | |
| Irwin | Monongahela | | | | | | 0.03 | T. | | | | | | | | 0.14 | 0.87 | 0.22 | | | | | 0.08 | 0.26 | 0.87 | 0.01 | 0.05 | | 0.50 | 0.33 | 0.08 | 0.17 | 0.07 | 4.89 |
| Johnstown | Allegheny | | | | | T. | 0.04 | | | T. | | | | | 0.03 | 0.09 | 0.59 | 0.19 | 0.18 | | | | 0.18 | 0.45 | 0.99 | | | 0.50 | 0.33 | 0.08 | 0.17 | 0.07 | 4.89 | |
| Lock No. 4 | Monongahela | | | | | | 0.06 | | | | | | | | | T. | 0.35 | 0.60 | 0.21 | T. | | | 0.18 | 0.47 | 0.82 | 0.33 | | 0.14 | 0.77 | 0.10 | 0.29 | | 4.89 | |
| Lycippus | Allegheny | | | 0.08 | | | T. | | | | | | | | | 0.16 | 0.92 | 0.23 | 0.10 | | 0.28 | | 0.42 | 1.40 | | | | 0.05 | 0.55 | 0.31 | 0.01 | 0.20 | 3.25 | |
| Mosgrove | do | | | | | | | | | | | | | | | 0.04 | 0.20 | 0.48 | | | | | 0.01 | 0.48 | 0.64 | 0.28 | | 0.05 | 0.55 | 0.31 | 0.01 | 0.20 | 3.25 | |
| Parkers Landing | do | | | | | | | | | | | | | | | 0.01 | 0.48 | 0.22 | 0.04 | | | | 0.07 | 0.26 | 0.37 | 0.01 | 0.20 | 0.33 | 0.66 | 0.01 | T. | 0.49 | 0.06 | 3.11 |
| Pittsburgh | Ohio | | | | | | | | | | | | | | | 0.06 | 0.57 | 0.07 | | | | | 0.07 | 0.26 | 0.37 | 0.01 | 0.20 | 0.33 | 0.66 | 0.01 | T. | 0.49 | 0.06 | 3.11 |
| Ridgway | Allegheny | | | | | | | | | | | | | | | 0.11 | 0.40 | 0.09 | | | | | 0.07 | 0.26 | 0.37 | 0.01 | 0.20 | 0.33 | 0.66 | 0.01 | T. | 0.49 | 0.06 | 3.11 |
| Saegertown | do | | | | | | | | | | | | | | | 0.11 | 0.50 | 0.25 | | 0.05 | | | 0.15 | 0.20 | 0.06 | | | 0.04 | 0.25 | 0.28 | T. | 0.02 | 2.47 | |
| Saltsburg | do | | | | | | | | | | | | | | | 0.03 | 0.14 | 0.74 | | | | | 0.03 | 0.23 | 0.43 | 0.46 | | 0.02 | 0.55 | 0.24 | T. | 0.02 | 2.47 | |
| Sharon | Ohio | | | | | | T. | T. | | | 0.03 | T. | | | 0.01 | 0.09 | 0.05 | 0.90 | | T. | | | 0.04 | 0.30 | 0.07 | | T. | 0.44 | 0.28 | T. | 0.02 | 2.47 | | |
| Somerset | You'ogh'ny | | | | | | | | | | | | | | | 0.41 | 0.20 | 0.21 | | | | | 0.64 | 0.95 | 0.90 | | | 0.45 | 1.02 | 0.10 | 0.45 | | 5.33 | |
| Springdale | Allegheny | | | | | | | | | | | | | | | 0.05 | 0.37 | 0.71 | | | | | 0.07 | 0.49 | 0.35 | 0.26 | | 0.28 | 0.75 | 1.68 | | 0.38 | 5.39 | |
| Uniontown | Monongahela | | | | | | 11 | | | | | | | | | 0.39 | 0.18 | 0.23 | 0.15 | | 22 | | 0.56 | 0.61 | | | | 1.70 | 0.41 | 1.00 | | | 5.56 | |
| Warren | Allegheny | | | | | | | | | | 10 | | | | | 0.15 | 0.08 | 0.10 | | 0.16 | | | 0.50 | 0.10 | | | | 0.15 | 0.35 | 0.75 | | | 3.44 | |
| West Newton | You'ogh'ny | | | | | | T. | 12 | | | | | | | | 0.06 | 0.75 | 0.62 | 0.10 | 0.05 | | | 0.10 | 0.45 | 0.77 | 0.66 | | 0.42 | 1.32 | T. | 0.05 | 0.35 | 5.82 | |
| Maryland. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deer Park | You'ogh'ny | | | | | | 0.07 | | | | | | | | | 0.89 | 0.26 | 0.10 | 0.34 | | | | | 0.99 | 1.05 | 0.07 | | 0.27 | 1.19 | 0.05 | 1.03 | | 6.31 | |
| Grantsville | do | | | | | | 11 | | | | | | | | | 0.55 | 0.41 | 0.08 | 0.18 | | | | 0.40 | 0.75 | 1.17 | | | 1.30 | | 0.20 | 0.41 | | 5.56 | |
| Oakland | do | | | | T. | 0.02 | 11 | | | | | | | | 0.45 | 0.40 | 0.39 | 0.18 | 0.36 | | | | T. | 1.10 | 1.11 | 0.06 | | 1.21 | 1.40 | 0.60 | 1.60 | | 7.90 | |
| West Virginia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bancroft | G. Kanawha | | | | | | 0.02 | | | | | | | | | 0.05 | 0.23 | | 0.40 | | | | 0.13 | 0.43 | 1.81 | 0.31 | | 0.35 | 0.18 | 0.05 | | 3.96 | | |
| Beckley | do | | | | | | 1.20 | 0.80 | | | | | | | | 0.42 | 0.05 | 0.65 | 0.05 | | | | 0.67 | 0.92 | 0.62 | | 1.09 | | 0.67 | | 0.03 | 1.6 | 5.11 | |
| Bens Run | Ohio | | | | | | | | | | | | | | | 0.42 | 0.05 | 0.65 | 0.05 | | | | 0.67 | 0.92 | 0.62 | | 1.09 | | 0.67 | | 0.03 | 1.6 | 5.11 | |
| Bluefield | G. Kanawha | | | | | | | | 0.04 | | | | | | | | 0.05 | 0.65 | 0.05 | | | | | 0.67 | 0.92 | 0.62 | | 1.09 | | 0.67 | | 0.03 | 1.6 | 5.11 |
| Brandonville | Monongahela | | | | | | | 0.80 | | | | | | | | | 1.00 | 0.19 | | | | | 1.00 | 0.125 | 0.66 | 0.33 | | 0.35 | 1.50 | 0.27 | 0.46 | | 8.39 | |
| Buckhannon | do | | | | | | | | | | | | | | | 0.90 | 0.20 | 0.30 | 0.80 | | | | 1.25 | 0.46 | 1 | | | | | | | | | |

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|---------------------------|--------------|---------------|---|---|---|-----|-----|-----|---|-----|----|----|----|----|-----|-----|-----|------|----|----|----|-----|-----|------|-----|-----|------|------|-----|-----|------|------|------|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| West Virginia—Con. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smithfield \|\| | Fishing Crk. | | | | | | | | | | T. | | | | .52 | .07 | .38 | .05 | | | | .55 | .40 | .22 | T. | | .26 | .07 | .34 | | .62 | 3.48 | | |
| Spencer \|\| | L. Kanawha | | | | | | | | | | | | | | .48 | * | * | 1.09 | | | | | .55 | 1.00 | .40 | | | .30 | .67 | | | 4.74 | | |
| Sutton \|\| | G. Kanawha | | | | | | | T. | | | | | | | | | | | | | | | .39 | 1.52 | .46 | | | 1.20 | .47 | | T. | .18 | 5.79 | |
| Terra Alta. | Monongahela | | | | | | | | | | | | | | | | | | | | | | | .74 | .82 | | | .47 | | | | | 2.96 | |
| Union. | G. Kanawha | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valley Fork. | do. | | | | | | | | | | | | | | | | | | | | | T. | .22 | 1.30 | .05 | | 1.25 | .40 | | T. | 1.10 | 5.33 | | |
| Webster Springs. | do. | | | | | | .12 | .18 | | | | | | | .17 | .64 | .13 | | | | | | .48 | .49 | | T. | .34 | .80 | .03 | | T. | .13 | 3.33 | |
| Wellsburg. | Ohio. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weston \|\| | Monongahela | | | | | | | | | | T. | | | | .12 | .11 | .52 | .01 | | | | T. | .17 | .12 | .73 | .15 | | .95 | .18 | | .31 | .31 | 3.88 | |
| Wheeling \|\| | Ohio. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Williamson \|\| | Big Sandy | | | | | | | .10 | | | | | | | | | | | | | | | .20 | .86 | .44 | | | .64 | .18 | | | .08 | 2.96 | |
| Ohio. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amesville. | Ohio. | | | | | T. | | | | | | | | | .58 | .11 | .28 | | | | | .29 | .88 | .42 | | .02 | .18 | .63 | | .09 | T. | | 3.48 | |
| Ashland. | Muskingum. | | | | | | T. | | | T. | | | | | .10 | .43 | T. | | | | | .21 | .12 | T. | T. | .22 | .54 | 1.23 | .04 | | .28 | | 2.85 | |
| Bangorville. | do. | | | | | .02 | | | | .01 | | | | | .10 | .32 | .05 | | | | | | .02 | .09 | | | .09 | .53 | | .08 | .03 | | 2.16 | |
| Bellefontaine \|\| | Great Miami | | | | | | | T. | | | | | | | .69 | .19 | .06 | | | | | T. | .03 | .04 | T. | .03 | | .05 | .86 | .18 | | | 2.13 | |
| Bladensburg | Muskingum. | | | | | | | | | | T. | | | | .33 | .39 | .10 | | | | | | .40 | | | | .00 | .65 | | .12 | .05 | | 2.64 | |
| Brilliant. | Ohio. | | | | | | | | | | | | | | T. | .73 | | | | | | .23 | .20 | .30 | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 3—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | | | |
|-----------------|------------|---------------|---|---|------|-----|-----|------|-----|----|----|----|----|----|-----|-----|------|------|------|-----|------|-----|-----|------|------|------|-----|------|------|------|-----|-----|--------|------|------|--|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | |
| Kentucky—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mount Sterling \|\| | Licking | | | | | | | T. | | | | | | | .22 | .11 | 1.55 | T. | T. | | | .80 | .72 | 1.65 | .05 | | | .55 | .11 | | T. | .09 | 5.85 | | | | |
| Owensboro \|\| | Ohio | | | | | | | | | | | | | | T. | T. | .12 | T. | | | | .04 | .24 | .01 | | | .06 | .09 | | | T. | | 0.68 | | | | |
| Paducah \|\| | do. | | | | | | | | | | T. | | | | | | .05 | .65 | | | | .96 | | .10 | | | | .70 | | | T. | | 0.68 | | | | |
| Pikeville \|\| | Big Sandy | | | | | | | T. | | | | | | | | | .05 | .65 | | | | T. | | .90 | .35 | | | .80 | .15 | | | T. | | 1.92 | | | |
| Richmond \|\| | Kentucky | | | | | | | | | | | | | | | | .08 | 1.83 | T. | T. | | .50 | .64 | 1.64 | .03 | | | .42 | .13 | | | T. | | 3.35 | | | |
| St. John \|\| | Salt | | | | | | | | | | | | | | .17 | .08 | 1.83 | T. | T. | | .91 | .40 | .46 | | | | .15 | | | | | T. | | 5.27 | | | |
| Scott. | Licking | | | | | | T. | | | | | | | | .36 | .06 | .14 | .15 | | | .02 | .76 | .40 | | | | .20 | .39 | | | | T. | | 2.90 | | | |
| Shelby City | Kentucky | | | | | | | | | | | | | | T. | .27 | .04 | .33 | .09 | | .19 | .14 | .13 | .18 | | | .10 | .17 | | | | | 2.48 | | | | |
| Shelbyville \|\| | Salt | | | | | | | | | | | | | | | .25 | .06 | .15 | .16 | | .03 | .32 | .65 | .12 | | | .07 | .08 | | | | T. | | 2.64 | | | |
| Taylorsville | do. | | | | .05 | | | | | | | | | | | .26 | .96 | .80 | T. | | | .07 | .10 | .80 | | | | .21 | .14 | | | | T. | | 2.74 | | |
| Williamsburg \|\| | Cumberland | | | | | | | | .30 | | | | | | | | | | | | | .47 | .67 | .40 | | | | .55 | .02 | | | | | 1.82 | | | |
| Williamstown \|\| | Licking | | | | | | | | | | | | | | .08 | | 1.04 | .23 | T. | | | | | | | | | | | | | | | 3.84 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.46 | | | |
| Tennessee. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ashwood | Tennessee | | | | | | .30 | | | T. | | | | | T. | T. | .70 | .05 | | | 1.25 | .05 | .70 | .30 | | | | | | | | | | 3.35 | | | |
| Benton | do. | | | | | | .60 | .21 | | T. | | | T. | | T. | T. | .13 | .36 | | | .15 | | .58 | 1.93 | | | T. | .13 | | | | T. | | 4.96 | | | |
| Birds Bridge \|\| | do. | | | | | | .39 | .30 | | | | | | | | | .51 | 1.04 | .30 | | | | .31 | .47 | .63 | 1.31 | | | .82 | .10 | | | T. | | 6.55 | | |
| Bluff City \|\| | do. | | | | | | | .43 | .59 | | | | | | | | .32 | .61 | .36 | | | | .38 | T. | 1.07 | .85 | | | 1.11 | .63 | | | T. | | 6.56 | | |
| Byrdstown | Cumberland | | | | .31 | | | | | | | | | | | | .29 | .39 | | | | .26 | | | | | | .60 | | | | | | 3.61 | | | |
| Carthage \|\| | do. | | | | | .69 | | | | | | | | | | | .56 | .77 | .49 | .05 | .04 | | .90 | .02 | 1.50 | .02 | | | .45 | .01 | | | | 5.50 | | | |
| Cedar Hill | do. | | | | | T. | | | | | T. | | | | T. | T. | .32 | .30 | 1.70 | | T. | | .20 | .55 | | | | | | | | | | 3.09 | | | |
| Celina \|\| | do. | | | | | T. | | | | | | | | | | | .35 | .42 | T. | | | .05 | .37 | 1.07 | .05 | | .01 | .01 | | | | | | 2.46 | | | |
| Charleston \|\| | Tennessee | | | | | | T. | T. | | | | | | | | | .10 | .02 | T. | | | .10 | .06 | .03 | 2.00 | .12 | | | .01 | .07 | | | | 3.33 | | | |
| Chattanooga. | do. | | | | | | .11 | .01 | | | | | | | .18 | | T. | .80 | .10 | | .01 | .02 | .08 | 1.16 | 1.08 | | | .01 | .07 | | | | .45 | 4.30 | | | |
| Clarksville. | Cumberland | | | | | T. | | | | | T. | | | | | T. | .53 | .18 | .28 | | T. | | .04 | .97 | | | | .02 | .07 | | | | | 2.09 | | | |
| Clinton \|\| | Tennessee | | | | | | .15 | .05 | | | | | | | | T. | .65 | .78 | .10 | | | | .10 | 1.22 | .22 | | | | .55 | | | | | 3.82 | | | |
| Crossville. | do. | | | | .12 | .45 | | | T. | | | | | | .03 | .20 | .45 | .99 | | | | | .44 | 1.44 | .03 | | .03 | 1.30 | | | T. | | | 5.48 | | | |
| Dandridge \|\| | do. | | | | | .16 | .20 | | | | | | | | | | | | .70 | .40 | | | | .12 | 1.32 | 1.00 | | | .68 | | | | | 4.78 | | | |
| Decatur | do. | | | | .01 | T. | | | T. | | | | | | | | .41 | .69 | | | | T. | .06 | .14 | 1.70 | | | .02 | .26 | | | | | 3.29 | | | |
| Dickson | Cumberland | | | | T. | T. | | | | | | | | | .21 | | .75 | .11 | | | | | .55 | .75 | | | | .12 | | | | | | 2.49 | | | |
| Dover | do. | | | | T. | | | | | | T. | T. | | | | | .92 | | | | | .19 | .16 | 1.40 | | | | .13 | .72 | | | | | 3.79 | | | |
| Dunlap | Tennessee | | | | .25 | .20 | .04 | | | | | | | | .32 | | .80 | .40 | | | | .08 | | .45 | 2.48 | | | | .25 | | | | | 5.77 | | | |
| Elizabethhton \|\| | do. | | | | | .39 | | | | | | | | | | | .47 | .69 | .29 | | | T. | .39 | 1.40 | 1.22 | | T. | | 1.08 | .25 | | | | 5.0 | | | |
| Erasmus. | Cumberland | | | | .61 | .46 | | | | | | | | | .16 | | .07 | .35 | .20 | | | .07 | T. | .04 | .67 | 1.14 | | | .06 | 1.01 | | | | 3.0 | | | |
| Florence. | do. | | | | | .07 | | | | | | | | | | | .35 | .20 | | | | .26 | | .85 | .45 | | | T. | .20 | | | | | 6.40 | | | |
| Franklin. | do. | | | | | .31 | | | .49 | | | | | | T. | T. | 1.65 | .28 | | | | .25 | T. | .38 | .26 | | | | .21 | | | | | 2.79 | | | |
| Halls Hill \|\| | do. | | | | | .13 | | | | | | | | | | | 1.30 | | .35 | | | | .36 | | 1.28 | T. | | | | | | | | 3.89 | | | |
| Hohenwald. | Tennessee | | | | .07 | | | | | | T. | | | | .04 | | .52 | .12 | .03 | | | .11 | .10 | .55 | .18 | | | | .03 | | | | | 3.76 | | | |
| Iron City | do. | | | | .05 | .02 | | | | | | | | | .25 | | 1.52 | | .20 | .02 | | .40 | .09 | .97 | .45 | | | | T. | | | | | 1.75 | | | |
| Jefferson City | do. | | | | | .70 | .04 | | | | | | | | | | .33 | .08 | .76 | | | | | .47 | 1.72 | | | | T. | | | | | 3.97 | | | |
| Johnson City \|\| | do. | | | | | .81 | | | | | | | | | | | .09 | 1.02 | .20 | | | | .17 | .81 | .99 | | | | 1.07 | .03 | | | | 5.24 | | | |
| Johnsonville. | do. | | | | T. | | | | | | | | | | .10 | .04 | .75 | .05 | .02 | | | .83 | .09 | 1.17 | | | | | | | | | | 5.09 | | | |
| Kingston \|\| | do. | | | | | .03 | .36 | | | | | | | | | | .85 | .24 | .62 | | | | | .05 | 1.70 | .11 | | | 1.63 | .03 | | | | 3.20 | | | |
| Knoxville. | do. | | | | .05 | .01 | | | | | | | | | | | .18 | .81 | .33 | | | | T. | 1.03 | 1.36 | | | | .18 | .76 | | | | 5.62 | | | |
| Lebanon. | Cumberland | | | | | .08 | | | | | | | | | .27 | .06 | | .31 | .02 | | | .61 | T. | .50 | .42 | | | | .12 | .82 | | | | 4.86 | | | |
| Lewisburg. | Tennessee | | | | | .45 | .03 | | | T. | | | | | .11 | .22 | .09 | .24 | | | | | T. | 1.28 | .49 | .05 | | T. | | | | | | 2.91 | | | |
| Liberty | Cumberland | | | | | .57 | | | | | | | | | | | .86 | | .97 | | | | .10 | .15 | 1.23 | .05 | | | | | | | | 4.12 | | | |
| Loudon \|\| | Tennessee | | | | | .28 | | | | | | | | | | | .90 | | .50 | | | | | | 1.80 | .28 | | | | | | | | 4.48 | | | |
| Lynnville. | do. | | | | 1.13 | | | | | | | | | | .31 | .45 | .87 | .04 | | | .23 | .25 | .05 | 1.23 | .55 | | | | | | | | | 3.56 | | | |
| McGhee \|\| | do. | | | | | | | .52 | T. | | | | | | | | .75 | .09 | | | | | | 2.48 | .40 | | | T. | .06 | | | | | 5.17 | | | |
| McMinnville. | Cumberland | | | | | | | | | | | | | | .21 | .60 | .06 | .61 | | | | | .28 | .52 | .92 | | | | .45 | | | | | 4.69 | | | |
| Maryville. | Tennessee | | | | | .10 | | | | | | | | | | | | | | | | | .28 | .52 | .92 | | | | | | | | | 3.62 | | | |
| Mountain City. | do. | | | | .16 | | | | | | | | | | | | | | | | | .30 | .23 | .09 | 2.30 | .11 | | | .04 | 2.00 | .04 | .21 | | 6.18 | | | |
| Nashville. | Cumberland | | | | .05 | | | | | | | | | | T. | .13 | .87 | .05 | T. | | .03 | .10 | .66 | | | | | .53 | T. | | | | | 2.66 | | | |
| Newport \|\| | Tennessee | | | | | .30 | .12 | | | | | | | | | | .20 | .92 | T. | | | | | .42 | 1.04 | 1.00 | | | | .95 | .09 | | | 6.02 | | | |
| New River \|\| | Cumberland | | | | | .31 | | | | | | | | | | | .33 | .26 | .94 | | | | | .71 | .93 | .25 | | | | .81 | | | | 4.54 | | | |
| Palmetto. | Tennessee | | | | | .60 | | | | | | | | | | | .26 | .32 | .65 | .95 | | | .19 | | 1.01 | .27 | | | | | | | | 5.56 | | | |
| Perryville | do. | | | | | | | .01 | | | | | | | .24 | .31 | .63 | | | | | .34 | .36 | | | | | | | | | | | 2.57 | | | |
| Pinewood | do. | | | | | .47 | .05 | 1.25 | | | | | | | | | | | | .33 | T. | | T. | | | | | | | | | | | | 7.20 | | |
| Rogersville \|\| | do. | | | | 1.14 | .32 | | | T. | | | | | | | | .31 | 1.06 | | | | | T. | | | | | | | | | | | | 2.57 | | |
| Rugby | Cumberland | | | | | .90 | | | | | | | | | .09 | T. | .25 | 1.01 | | | | | T. | | | | | | | | | | | | 4.73 | | |
| Savannah. | Tennessee | | | | | .18 | | | | | T. | | | | .18 | T. | .35 | .28 | .50 | T. | | .41 | .50 | | | | | T. | .26 | | | | | 3.01 | | | |
| Sevierville. | do. | | | | | .15 | .61 | | | | | | | | .08 | .05 | .26 | .62 | | | | | | .45 | 1.96 | .10 | | | .01 | 1.12 | | | | 6.76 | | | |
| Sewanee. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.6 |
| Sparta. | Cumberland | | | | | T. | | | | | | | | | | | | | | | | .40 | T. | .76 | .92 | | | | .05 | .75 | | | | | 1.86 | | |
| Springville. | Tennessee | | | | | T. | | | | | | | | | .36 | T. | .03 | .65 | | .05 | | .12 | .10 | .27 | | | | | | | | | | | 6.82 | | |
| Tazewell \|\| | do. | | | | | .05 | | | | | | | | | | | .79 | .07 | .03 | | | | | | | | | | | | | | | | 4.66 | | |
| Tullahoma. | do. | | | | | .59 | | | | | | | | | .27 | .38 | .22 | .75 | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 3—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|-----------------------|------------|---------------|---|----|---|---|-----|-----|-----|-----|----|-----|----|----|-----|------|-----|------|-----|-----|-----|-----|------|------|------|------|-----|------|------|-----|-----|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| North Carolina—Con. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jefferson | G. Kanawha | | | | | | .02 | T. | .90 | | T. | | | | | .34 | .15 | .60 | | | .36 | .04 | .86 | 2.00 | .04 | | | 1.28 | | T. | T. | | 6.50 | |
| Marshall | Tennessee. | | | | | | | | .15 | | | | | | T. | .50 | .18 | .22 | .16 | | .13 | | .12 | 2.08 | .04 | | .10 | 1.10 | .10 | | | .18 | 5.06 | |
| Murphy II | do. | | | | | | .02 | .14 | .25 | | | | | | | T. | .14 | .83 | | | .17 | | | 2.00 | .81 | | | .41 | .07 | | | .45 | 5.29 | |
| Rock House | Savannah. | | | | | | T. | .07 | T. | T. | | | | | | .05 | .60 | .06 | .11 | .22 | | .11 | .54 | 2.60 | | | .04 | .28 | | | | .05 | 4.73 | |
| Waynesville II | Tennessee. | | | T. | | | T. | | | .01 | T. | | | | | .25 | .01 | .25 | .33 | | | | | 1.00 | 1.90 | | | .70 | .11 | | | .36 | 4.92 | |
| Virginia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blacksburg. | Kanawha. | | | | | | .09 | | | | | | | | | | .10 | .46 | | | .09 | .30 | .39 | 2.32 | .15 | | | 1.12 | | | .10 | | 5.12 | |
| Burkes Garden. | Tennessee. | | | | | | T. | | | | | | | | | | T. | .58 | | | | | T. | 1.97 | .06 | | T. | 1.67 | | .19 | .10 | | 4.57 | |
| Elk Knob. | do. | | | | | | .15 | .15 | .02 | | | | | | .16 | .50 | .83 | .84 | | | | | T. | .44 | 2.01 | | .06 | .84 | .01 | | | | 6.01 | |
| Ivanhoe II | Kanawha. | | | | | | .03 | .03 | | | | | | | | .25 | .40 | T. | | | | .35 | .50 | 2.20 | 1.25 | T. | | .50 | .05 | | | T. | 5.56 | |
| Max Meadows. | do. | | | T. | | | T. | T. | | | | | | | | | T. | T. | | | | .10 | .30 | .23 | 2.53 | | | T. | 1.23 | | | T. | .02 | 4.41 |
| Mendota. | Tennessee. | | | | | | .56 | | | | | .46 | | | | .24 | .22 | .92 | .10 | | | .18 | .22 | .68 | .90 | | | .90 | .15 | | | .15 | 5.68 | |
| Mountain Lake. | Kanawha. | | | | | | .20 | | | | | | | | | .07 | | .47 | | | | .48 | .75 | 2.67 | .18 | | T. | 1.73 | .05 | | | .18 | 6.78 | |
| Radford II | do. | | | | | | | | | | | | | | | | .60 | | | | | | | .80 | 1.80 | 1.76 | | | .62 | .88 | | | .40 | 6.86 |
| Speers Ferry II | Tennessee. | | | | | | .03 | | .10 | | | | | | | 1.48 | .73 | 1.82 | .05 | | | | | 1.61 | 2.26 | .82 | | .87 | .10 | | | | 7.41 | |
| Wytheville. | Kanawha. | | | | | | .10 | .05 | .01 | | | | | | T. | .30 | .06 | .41 | | | .14 | .35 | 1.12 | 1.20 | | | .67 | 1.10 | | | .16 | | 5.87 | |

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

|| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 3, Ohio Valley.

| Date. | Pennsylvania. | | | | West Virginia. | | | | | | | | | | | | | | | | Ohio. | | | | | | | |
|--------|---------------|------|-------------|------|----------------|------|----------|------|---------|------|------------|------|---------------------|------|------------------|------|-------------------|------|-------------------|------|---------|------|-------------|------|-----------|------|---------|------|
| | Greenville. | | Pittsburgh. | | Charleston. | | Elkhorn. | | Elkins. | | Glenville. | | Hunting- ton. §§ | | Morgan- town. | | Parkers- burg. | | Wheel- ing. §§ | | Canton. | | Cincinnati. | | Columbus. | | Dayton. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 81 | 30 | 77 | 44 | 80 | 42 | 77 | 39 | 76 | 32 | 85 | 36 | 82 | 41 | 77 | 42 | 79 | 43 | 85 | 39 | 80 | 37 | 79 | 49 | 78 | 50 | 78 | 48 |
| 2.... | 85 | 37 | 84 | 52 | 86 | 48 | 81 | 45 | 83 | 38 | 87 | 40 | 89 | 45 | 84 | 49 | 86 | 48 | 91 | 41 | 86 | 43 | 87 | 54 | 85 | 56 | 85 | 53 |
| 3.... | 87 | 41 | 85 | 55 | 87 | 52 | 81 | 49 | 84 | 42 | 90 | 46 | 87 | 51 | 86 | 53 | 88 | 53 | 91 | 44 | 87 | 46 | 85 | 59 | 85 | 60 | 82 | 60 |
| 4.... | 88 | 47 | 88 | 57 | 86 | 54 | 87 | 49 | 86 | 44 | 92 | 48 | 89 | 50 | 88 | 55 | 89 | 54 | 91 | 45 | 87 | 51 | 83 | 59 | 84 | 61 | 81 | 64 |
| 5.... | 90 | 46 | 86 | 58 | 90 | 55 | 87 | 50 | 86 | 44 | 93 | 50 | 91 | 54 | 87 | 55 | 90 | 57 | 90 | 52 | 88 | 51 | 87 | 65 | 86 | 63 | 84 | 66 |
| 6.... | 78 | 53 | 78 | 56 | 87 | 57 | 81 | 54 | 79 | 55 | 86 | 56 | 80 | 55 | 83 | 60 | 80 | 61 | 82 | 50 | 75 | 59 | 71 | 60 | 71 | 58 | 69 | 55 |
| 7.... | 63 | 40 | 64 | 50 | 72 | 52 | 79 | 55 | 64 | 41 | 75 | 55 | 73 | 58 | 73 | 51 | 67 | 53 | 75 | 54 | 64 | 43 | 68 | 54 | 64 | 46 | 65 | 47 |
| 8.... | 70 | 31 | 71 | 46 | 78 | 44 | 68 | 45 | 73 | 32 | 83 | 36 | 80 | 44 | 75 | 35 | 75 | 45 | 79 | 39 | 72 | 36 | 74 | 47 | 70 | 41 | 72 | 42 |
| 9.... | 58 | 43 | 61 | 40 | 73 | 50 | 75 | 46 | 69 | 43 | 80 | 41 | 78 | 46 | 69 | 44 | 69 | 47 | 65 | 43 | 60 | 44 | 70 | 53 | 61 | 44 | 61 | 48 |
| 10.... | 50 | 29 | 48 | 33 | 73 | 44 | 60 | 46 | 51 | 34 | 65 | 36 | 62 | 44 | 60 | 31 | 54 | 40 | 60 | 34 | 51 | 30 | 57 | 42 | 52 | 35 | 54 | 38 |
| 11.... | 54 | 26 | 54 | 33 | 59 | 34 | 60 | 32 | 55 | 25 | 66 | 28 | 65 | 33 | 56 | 28 | 59 | 33 | 65 | 29 | 57 | 26 | 61 | 38 | 60 | 34 | 60 | 34 |
| 12.... | 65 | 25 | 65 | 37 | 73 | 35 | 73 | 34 | 68 | 25 | 76 | 29 | 77 | 34 | 71 | 30 | 72 | 37 | 74 | 31 | 68 | 28 | 73 | 44 | 69 | 39 | 69 | 41 |
| 13.... | 72 | 46 | 74 | 55 | 82 | 46 | 76 | 54 | 74 | 37 | 82 | 42 | 84 | 40 | 76 | 49 | 79 | 50 | 82 | 37 | 77 | 47 | 82 | 57 | 78 | 54 | 80 | 54 |
| 14.... | 71 | 49 | 68 | 54 | 82 | 56 | 73 | 56 | 71 | 53 | 78 | 45 | 69 | 56 | 74 | 50 | 78 | 54 | 69 | 52 | 67 | 49 | 86 | 60 | 70 | 53 | 79 | 59 |
| 15.... | 76 | 48 | 72 | 56 | 84 | 58 | 72 | 58 | 79 | 53 | 79 | 44 | 85 | 61 | 79 | 57 | 80 | 62 | 77 | 52 | 80 | 51 | 84 | 65 | 80 | 60 | 81 | 62 |
| 16.... | 71 | 55 | 75 | 60 | 82 | 62 | 73 | 58 | 70 | 55 | 80 | 46 | 77 | 62 | 72 | 61 | 76 | 60 | 81 | 61 | 75 | 58 | 78 | 60 | 75 | 60 | 73 | 60 |
| 17.... | 78 | 45 | 75 | 56 | 77 | 60 | 70 | 58 | 68 | 54 | 76 | 47 | 78 | 60 | 72 | 58 | 77 | 59 | 80 | 57 | 79 | 49 | 75 | 60 | 77 | 57 | 74 | 58 |
| 18.... | 73 | 56 | 72 | 56 | 73 | 57 | 72 | 52 | 73 | 54 | 82 | 51 | 79 | 57 | 74 | 55 | 77 | 60 | 81 | 57 | 74 | 59 | 75 | 59 | 74 | 50 | 71 | 52 |
| 19.... | 63 | 34 | 64 | 48 | 77 | 50 | 74 | 56 | 68 | 43 | 76 | 46 | 72 | 51 | 72 | 45 | 70 | 51 | 76 | 44 | 67 | 40 | 70 | 53 | 67 | 46 | 68 | 48 |
| 20.... | 71 | 34 | 71 | 48 | 82 | 49 | 80 | 61 | 80 | 41 | 85 | 44 | 83 | 50 | 77 | 43 | 79 | 51 | 79 | 46 | 71 | 43 | 79 | 56 | 74 | 50 | 77 | 52 |
| 21.... | 83 | 47 | 80 | 61 | 85 | 61 | 79 | 61 | 80 | 58 | 88 | 60 | 86 | 54 | 82 | 59 | 83 | 64 | 86 | 50 | 82 | 52 | 82 | 64 | 81 | 61 | 78 | 63 |
| 22.... | 73 | 55 | 72 | 55 | 83 | 64 | 70 | 55 | 73 | 56 | 78 | 63 | 69 | 64 | 75 | 49 | 71 | 55 | 74 | 58 | 72 | 62 | 68 | 54 | 66 | 51 | 66 | 53 |
| 23.... | 60 | 51 | 56 | 52 | 68 | 52 | 60 | 49 | 57 | 50 | 64 | 53 | 57 | 52 | 75 | 49 | 58 | 51 | 57 | 52 | 62 | 49 | 63 | 52 | 59 | 50 | 62 | 50 |
| 24.... | 61 | 48 | 60 | 51 | 64 | 52 | 58 | 48 | 58 | 49 | 68 | 42 | 69 | 51 | 61 | 49 | 63 | 51 | 68 | 51 | 65 | 49 | 71 | 48 | 66 | 47 | 68 | 45 |
| 25.... | 69 | 39 | 67 | 48 | 65 | 47 | 67 | 48 | 67 | 41 | 78 | 45 | 75 | 46 | 64 | 45 | 68 | 45 | 69 | 46 | 73 | 42 | 73 | 54 | 69 | 50 | 68 | 53 |
| 26.... | 70 | 43 | 71 | 50 | 69 | 54 | 73 | 49 | 74 | 51 | 76 | 47 | 74 | 56 | 74 | 61 | 73 | 51 | 71 | 50 | 64 | 40 | 68 | 62 | 62 | 51 | 65 | 56 |
| 27.... | 63 | 52 | 68 | 52 | 72 | 60 | 72 | 51 | 70 | 54 | 78 | 46 | 64 | 60 | 71 | 54 | 70 | 57 | 71 | 54 | 63 | 50 | 66 | 52 | 66 | 51 | 63 | 50 |
| 28.... | 71 | 47 | 70 | 51 | 74 | 54 | 66 | 51 | 67 | 51 | 80 | 51 | 77 | 62 | 65 | 58 | 74 | 55 | 80 | 54 | 74 | 50 | 79 | 55 | 75 | 49 | 77 | 50 |
| 29.... | 70 | 40 | 70 | 50 | 75 | 55 | 72 | 53 | 67 | 47 | 79 | 48 | 75 | 55 | 72 | 49 | 66 | 56 | 77 | 50 | 74 | 47 | 79 | 67 | 67 | 57 | 74 | 60 |
| 30.... | 60 | 47 | 68 | 55 | 85 | 60 | 80 | 55 | 77 | 56 | 78 | 46 | 87 | 61 | 74 | 58 | 84 | 61 | 70 | 52 | 73 | 54 | 91 | 67 | 85 | 55 | 87 | 61 |
| 31.... | 75 | 37 | 76 | 49 | 80 | 65 | 80 | 56 | 76 | 50 | 80 | 53 | 84 | 65 | 77 | 45 | 79 | 58 | 83 | 47 | 77 | 42 | 81 | 63 | 78 | 52 | 81 | 58 |
| Mns. | 70.9 | 42.6 | 70.7 | 50.6 | 77.5 | 52.5 | 73.4 | 50.7 | 71.7 | 45.4 | 79.5 | 45.8 | 77.3 | 51.9 | 74.0 | 49.3 | 74.6 | 52.3 | 76.7 | 47.5 | 72.4 | 46.0 | 75.6 | 55.9 | 72.1 | 51.3 | 72.6 | 52.9 |

| Date. | Ohio. | | | | Indiana. | | | | | | | | | | | | Philo, Ill. | | Kentucky. | | | | | | | | | |
|--------|---------|------|-------------|------|---------------|------|--------------|------|----------------|------|---------|------|-------------|------|---------------|------|-------------|------|------------------|------|-------------------|------|-----------------|------|-----------------|------|-------------|------|
| | Marion. | | Waverly. §§ | | Butler-ville. | | Evans-ville. | | Indian-apolis. | | Kokomo. | | Rock-ville. | | Worthing-ton. | | Max. | Min. | Beatty-ville. §§ | | Bowling Green. §§ | | Earling-ton. §§ | | Greens-burg. §§ | | Lexing-ton. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 82 | 43 | 83 | 39 | 83 | 48 | 83 | 54 | 80 | 53 | 81 | 45 | 84 | 49 | 82 | 43 | 82 | 48 | 87 | 36 | 92 | 43 | 90 | 55 | 87 | 40 | 78 | 53 |
| 2.... | 88 | 46 | 89 | 43 | 86 | 53 | 83 | 58 | 84 | 59 | 84 | 50 | 86 | 55 | 86 | 50 | 84 | 49 | 91 | 39 | 91 | 45 | 89 | 49 | 87 | 47 | 84 | 59 |
| 3.... | 86 | 56 | 88 | 49 | 84 | 56 | 81 | 63 | 82 | 63 | 83 | 55 | 85 | 58 | 84 | 55 | 84 | 56 | 91 | 48 | 89 | 50 | 86 | 55 | 87 | 50 | 84 | 62 |
| 4.... | 84 | 56 | 89 | 49 | 82 | 58 | 80 | 66 | 80 | 62 | 81 | 58 | 83 | 63 | 81 | 59 | 80 | 63 | 90 | 44 | 88 | 50 | 86 | 63 | 86 | 50 | 83 | 62 |
| 5.... | 86 | 59 | 90 | 53 | 86 | 57 | 81 | 64 | 84 | 64 | 84 | 60 | 83 | 62 | 85 | 60 | 80 | 61 | 90 | 50 | 90 | 59 | 86 | 59 | 89 | 55 | 86 | 65 |
| 6.... | 86 | 60 | 79 | 56 | 69 | 50 | 69 | 57 | 68 | 48 | 74 | 50 | 74 | 53 | 76 | 58 | 70 | 51 | 83 | 53 | 81 | 55 | 71 | 61 | 79 | 54 | 72 | 57 |
| 7.... | 68 | 42 | 71 | 55 | 70 | 43 | 71 | 48 | 67 | 44 | 66 | 36 | 70 | 39 | 72 | 40 | 68 | 35 | 74 | 54 | 79 | 51 | 77 | 51 | 75 | 54 | 68 | 52 |
| 8.... | 73 | 34 | 76 | 39 | 78 | 44 | 75 | 51 | 72 | 44 | 74 | 40 | 77 | 45 | 78 | 43 | 77 | 40 | 83 | 41 | 87 | 48 | 84 | 46 | 81 | 45 | 73 | 45 |
| 9.... | 65 | 44 | 75 | 41 | 73 | 48 | 78 | 56 | 62 | 42 | 66 | 47 | 66 | 52 | 71 | 49 | 65 | 43 | 84 | 44 | 87 | 48 | 86 | 53 | 85 | 46 | 75 | 54 |
| 10.... | 57 | 30 | 58 | 41 | 60 | 42 | 63 | 48 | 57 | 38 | 56 | 32 | 62 | 35 | 64 | 38 | 61 | 34 | 64 | 49 | 74 | 54 | 71 | 57 | 67 | 54 | 57 | 42 |
| 11.... | 63 | 27 | 64 | 28 | 59 | 31 | 66 | 42 | 61 | 38 | 64 | 28 | 66 | 34 | 67 | 35 | 63 | 32 | 67 | 33 | 74 | 41 | 73 | 43 | 69 | 38 | 59 | 35 |
| 12.... | 72 | 32 | 73 | 32 | 75 | 34 | 75 | 44 | 72 | 42 | 72 | 34 | 76 | 41 | 76 | 39 | 76 | 37 | 82 | 30 | 83 | 38 | 82 | 38 | 80 | 33 | 73 | 41 |
| 13.... | 80 | 53 | 82 | 41 | 83 | 53 | 82 | 58 | 80 | 57 | 80 | 73 | 83 | 52 | 83 | 50 | 83 | 51 | 87 | 41 | 89 | 44 | 88 | 50 | 85 | 40 | 81 | 55 |
| 14.... | 68 | 53 | 79 | 50 | 89 | 62 | 87 | 66 | 85 | 58 | 76 | 55 | 90 | 64 | 89 | 64 | 90 | 59 | 87 | 52 | 92 | 52 | 93 | 65 | 91 | 61 | 86 | 64 |
| 15.... | 83 | 56 | 80 | 57 | 86 | 63 | 83 | 66 | 82 | 63 | 82 | 60 | 87 | 61 | 85 | 63 | 85 | 63 | 82 | 53 | 91 | 59 | 85 | 65 | 86 | 61 | 82 | 61 |
| 16.... | 76 | 56 | 77 | 57 | 78 | 58 | 73 | 63 | 72 | 54 | 70 | 49 | 74 | 49 | 76 | 55 | 68 | 44 | 80 | 58 | 80 | 58 | 78 | 63 | 80 | 62 | 76 | 58 |
| 17.... | 81 | 47 | 77 | 58 | 77 | 56 | 79 | 61 | 76 | | | | | | | | | | | | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 3—Continued.

| Date. | Kentucky. | | | | | | Tennessee. | | | | | | | | | | | | Decatur, Ala. §§ | | Asheville, N. C. | | Virginia. | | | | | |
|---------|-------------|------|---------------|------|------------------|------|--------------|------|------------------|------|------------|------|------------|------|-----------|------|---------|------|------------------|------|------------------|------|-------------|------|-------------|------|-------------|------|
| | Louisville. | | Maysville. §§ | | Williamsburg. §§ | | Chattanooga. | | Johnson City. §§ | | Knoxville. | | Nashville. | | Palmetto. | | Sparta. | | | | | | Waynesboro. | | Blacksburg. | | Wytheville. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | |
| 1..... | 82 | 53 | 84 | 40 | 86 | 39 | 83 | 49 | 84 | 40 | 82 | 47 | 84 | 51 | 80 | 44 | 85 | 42 | 85 | 41 | 86 | 45 | 79 | 40 | 78 | 32 | 79 | 37 |
| 2..... | 86 | 58 | 91 | 44 | 88 | 45 | 84 | 54 | 87 | 45 | 85 | 53 | 85 | 56 | 84 | 50 | 85 | 48 | 85 | 47 | 86 | 48 | 81 | 49 | 84 | 38 | 82 | 43 |
| 3..... | 84 | 65 | 89 | 50 | 90 | 49 | 85 | 54 | 90 | 43 | 86 | 55 | 83 | 58 | 86 | 51 | 87 | 49 | 84 | 50 | 85 | 55 | 83 | 50 | 86 | 40 | 85 | 47 |
| 4..... | 82 | 63 | 89 | 49 | 85 | 46 | 87 | 56 | 91 | 49 | 85 | 54 | 84 | 60 | 86 | 56 | 88 | 49 | 85 | 54 | 87 | 58 | 84 | 48 | 87 | 44 | 86 | 48 |
| 5..... | 85 | 66 | 93 | 51 | 89 | 45 | 87 | 59 | 92 | 41 | 88 | 59 | 85 | 63 | 85 | 58 | 86 | 53 | 86 | 56 | 87 | 60 | 85 | 52 | 87 | 42 | 86 | 47 |
| 6..... | 70 | 57 | 78 | 54 | 83 | 53 | 85 | 61 | 83 | 55 | 82 | 60 | 80 | 60 | 81 | 58 | 81 | 54 | 81 | 56 | 83 | 59 | 80 | 52 | 83 | 44 | 81 | 49 |
| 7..... | 71 | 48 | 76 | 54 | 74 | 56 | 78 | 59 | 78 | 55 | 74 | 57 | 74 | 57 | 75 | 54 | 76 | 54 | 73 | 55 | 76 | 54 | 73 | 54 | 65 | 55 | 67 | 51 |
| 8..... | 76 | 49 | 80 | 41 | 81 | 56 | 78 | 57 | 79 | 49 | 76 | 56 | 78 | 56 | 81 | 51 | 82 | 50 | 82 | 47 | 81 | 54 | 60 | 52 | 65 | 42 | 62 | 46 |
| 9..... | 78 | 55 | 79 | 44 | 83 | 51 | 76 | 60 | 82 | 50 | 79 | 56 | 82 | 55 | 83 | 53 | 84 | 52 | 85 | 57 | 85 | 57 | 74 | 47 | 76 | 37 | 74 | 40 |
| 10..... | 61 | 46 | 62 | 44 | 86 | 52 | 75 | 57 | 67 | 59 | 70 | 51 | 72 | 56 | 74 | 53 | 75 | 49 | 73 | 57 | 78 | 55 | 66 | 48 | 64 | 48 | 62 | 41 |
| 11..... | 64 | 40 | 67 | 30 | 71 | 48 | 72 | 50 | 72 | 34 | 69 | 44 | 71 | 48 | 75 | 49 | 75 | 42 | 70 | 51 | 74 | 56 | 66 | 42 | 63 | 30 | 62 | 30 |
| 12..... | 75 | 45 | 78 | 33 | 80 | 34 | 72 | 53 | 78 | 37 | 73 | 45 | 78 | 51 | 77 | 55 | 78 | 42 | 80 | 45 | 76 | 53 | 71 | 37 | 70 | 27 | 69 | 29 |
| 13..... | 82 | 58 | 86 | 41 | 85 | 41 | 81 | 57 | 79 | 50 | 80 | 58 | 84 | 56 | 82 | 60 | 84 | 53 | 84 | 50 | 85 | 56 | 76 | 48 | 77 | 36 | 75 | 45 |
| 14..... | 89 | 68 | 88 | 55 | 82 | 57 | 83 | 65 | 87 | 54 | 84 | 62 | 85 | 64 | 84 | 63 | 85 | 57 | 86 | 64 | 86 | 61 | 83 | 52 | 79 | 47 | 76 | 52 |
| 15..... | 83 | 62 | 87 | 59 | 82 | 55 | 82 | 61 | 83 | 57 | 84 | 60 | 83 | 64 | 80 | 62 | 85 | 57 | 84 | 60 | 85 | 65 | 76 | 53 | 79 | 45 | 77 | 52 |
| 16..... | 76 | 59 | 67 | 60 | 79 | 60 | 80 | 62 | 82 | 57 | 79 | 61 | 74 | 61 | 78 | 63 | 81 | 63 | 75 | 63 | 78 | 63 | 77 | 53 | 77 | 53 | 73 | 56 |
| 17..... | 76 | 59 | 81 | 58 | 78 | 60 | 79 | 62 | 75 | 60 | 76 | 62 | 78 | 61 | 78 | 60 | 78 | 62 | 79 | 64 | 79 | 62 | 72 | 58 | 72 | 58 | 70 | 54 |
| 18..... | 74 | 59 | 77 | 57 | 81 | 56 | 84 | 60 | 80 | 55 | 82 | 58 | 81 | 60 | 82 | 57 | 82 | 57 | 84 | 54 | 84 | 56 | 76 | 57 | 75 | 50 | 75 | 51 |
| 19..... | 75 | 54 | 77 | 45 | 81 | 60 | 84 | 62 | 87 | 56 | 83 | 63 | 81 | 59 | 84 | 59 | 83 | 58 | 85 | 55 | 85 | 62 | 80 | 56 | 77 | 52 | 78 | 51 |
| 20..... | 81 | 55 | 84 | 49 | 86 | 53 | 81 | 65 | 86 | 55 | 82 | 62 | 86 | 62 | 85 | 63 | 85 | 61 | 86 | 60 | 87 | 68 | 76 | 54 | 75 | 48 | 77 | 51 |
| 21..... | 82 | 64 | 86 | 56 | 81 | 69 | 83 | 62 | 85 | 56 | 85 | 65 | 78 | 64 | 81 | 64 | 83 | 62 | 80 | 64 | 85 | 63 | 78 | 60 | 72 | 57 | 77 | 56 |
| 22..... | 67 | 55 | 78 | 59 | 76 | 65 | 74 | 60 | 76 | 57 | 76 | 60 | 70 | 54 | 72 | 58 | 75 | 60 | 69 | 57 | 70 | 65 | 77 | 63 | 76 | 52 | 74 | 55 |
| 23..... | 61 | 52 | 65 | 52 | 56 | 51 | 65 | 55 | 63 | 62 | 61 | 54 | 63 | 54 | 61 | 52 | 60 | 52 | 62 | 52 | 62 | 53 | 64 | 51 | 67 | 50 | 66 | 50 |
| 24..... | 70 | 50 | 71 | 47 | 78 | 48 | 71 | 53 | 64 | 52 | 66 | 53 | 69 | 53 | 68 | 47 | 68 | 49 | 68 | 51 | 69 | 50 | 60 | 48 | 62 | 44 | 57 | 48 |
| 25..... | 77 | 56 | 78 | 45 | 78 | 46 | 75 | 53 | 79 | 42 | 75 | 48 | 77 | 50 | 76 | 45 | 79 | 45 | 77 | 43 | 77 | 48 | 71 | 41 | 70 | 40 | 70 | 43 |
| 26..... | 67 | 61 | 77 | 57 | 78 | 50 | 77 | 54 | 77 | 50 | 76 | 54 | 74 | 58 | 74 | 55 | 75 | 52 | 77 | 53 | 79 | 56 | 73 | 49 | 75 | 46 | 75 | 47 |
| 27..... | 68 | 54 | 61 | 57 | 69 | 58 | 69 | 59 | 67 | 56 | 65 | 58 | 70 | 56 | 70 | 57 | 66 | 54 | 71 | 57 | 72 | 60 | 68 | 51 | 66 | 56 | 65 | 53 |
| 28..... | 83 | 55 | 80 | 47 | 77 | 47 | 80 | 54 | 74 | 55 | 77 | 56 | 80 | 55 | 82 | 49 | 78 | 50 | 82 | 45 | 80 | 53 | 68 | 50 | 67 | 53 | 67 | 53 |
| 29..... | 89 | 68 | 81 | 50 | 88 | 57 | 87 | 65 | 84 | 55 | 88 | 61 | 88 | 66 | 86 | 49 | 87 | 54 | 87 | 52 | 89 | 65 | 81 | 60 | 75 | 54 | 75 | 57 |
| 30..... | 93 | 72 | 92 | 58 | 90 | 62 | 88 | 64 | 84 | 64 | 89 | 66 | 90 | 72 | 89 | 61 | 90 | 56 | 89 | 57 | 90 | 59 | 86 | 59 | 82 | 52 | 79 | 57 |
| 31..... | 87 | 67 | 85 | 59 | 89 | 62 | 89 | 68 | 84 | 65 | 88 | 64 | 92 | 70 | 93 | 65 | 89 | 67 | 94 | 65 | 95 | 67 | 80 | 60 | 78 | 62 | 77 | 57 |
| Mns.. | 77.2 | 57.2 | 79.6 | 49.8 | 80.7 | 52.6 | 79.8 | 58.4 | 80.0 | 52.1 | 78.9 | 56.8 | 79.3 | 58.4 | 79.7 | 55.5 | 80.5 | 53.3 | 80.3 | 54.3 | 81.3 | 57.6 | 75.0 | 51.5 | 74.5 | 46.3 | 73.5 | 48.3 |

*, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 4, THE LAKE REGION.

Prof. HENRY J. Cox, District Editor.

GENERAL SUMMARY.

The weather in the Lake region during the month of May, 1913, was lacking in features of unusual meteorological interest. The mean temperature during the month was below the normal in practically all sections, the greatest departure being 4.1° at Northfield, Vt., at which station temperatures below the seasonal average occurred on each day of the month after the 6th. The greatest positive departures occurred over the eastern portion of the Lower Michigan Peninsula, but did not exceed 2° at any station.

The total precipitation was also deficient in amount, except in western sections, and that portion of the district bordering on western Lake Erie. In Wisconsin the greatest departures were recorded, and an excess of 4 inches was reported at several stations in the lower Fox River Valley.

The percentage of sunshine was considerably above the normal in New York State, but close to the average, or a little below, in other sections. Severe and widespread storms were infrequent, although the usual number of thunderstorms occurred in all portions of the district.

The following table summarizes the chief features of meteorological interest in the various portions of the district:

| Portions of States. | Mean temperature. | Departure from normal. | Mean daily range. | Mean precipitation. | Departure from normal. | Greatest precipitation in 24 hours. | Mean snowfall. | Number of days— | | | | Prevailing wind direction. |
|---------------------|-------------------|------------------------|-------------------|---------------------|------------------------|-------------------------------------|----------------|-------------------------|--------|----------------|---------|----------------------------|
| | | | | | | | | With 0.01 inch or more. | Clear. | Partly cloudy. | Cloudy. | |
| Minnesota..... | 47.4 | -2.0 | 18.1 | 4.37 | +0.43 | 1.70 | T. | 11 | 7 | 15 | 9 | ne. |
| Wisconsin..... | 52.3 | -0.7 | 16.6 | 5.85 | +2.49 | 3.03 | T. | 12 | 12 | 9 | 10 | ne. |
| Illinois..... | 57.6 | +1.1 | 15.1 | 4.38 | +1.01 | 1.83 | 0 | 11 | 11 | 9 | 11 | ne. |
| Indiana..... | 59.1 | -0.1 | 21.0 | 4.35 | +0.40 | 2.75 | 0 | 10 | 12 | 9 | 10 | sw. |
| Upper Michigan | 48.2 | -0.4 | 17.9 | 2.56 | -0.64 | 1.12 | 0.2 | 9 | 12 | 7 | 12 | nw. |
| Lower Michigan | 54.9 | -0.3 | 19.2 | 2.87 | -0.49 | 2.60 | T. | 8 | 12 | 10 | 9 | sw. |
| Ohio..... | 59.0 | -0.7 | 16.5 | 3.97 | +0.53 | 3.57 | 0 | 12 | 14 | 9 | 8 | sw. |
| Pennsylvania..... | 55.8 | -1.5 | 20.7 | 2.68 | -0.75 | 0.91 | 0 | 14 | 9 | 16 | 6 | w. |
| New York..... | 54.0 | -1.4 | 17.7 | 2.81 | -0.42 | 2.50 | T. | 9 | 13 | 10 | 8 | nw. |
| Vermont..... | 51.6 | -2.9 | 20.4 | 3.19 | +0.14 | 1.15 | T. | 11 | 9 | 9 | 13 | s. |

TEMPERATURE.

The only pronounced warm weather of the month was that which occurred during the first six days, and this was felt chiefly in central and eastern sections. In New York State maximum temperatures of over 90° were reported at a few stations during this period, and in some instances these readings were equal to the highest May records for their respective localities, although the hot

weather occurred not later than the 5th in any section. In other portions of the district the maximum temperatures for the month were well over 80°, and were generally recorded during the first week. In Minnesota and upper Michigan high temperatures were again experienced on the 31st.

From the 7th until the close of the month daily readings below the normal prevailed with persistent regularity in all sections. In northern New York and Vermont the deficiency in temperature was quite marked, and minimums as low as 18° were reported in the former State on the 12th and 15th at Old Forge and Gabriels, respectively. In Ohio the 11th was one of the coldest May days on record, a minimum of 24° being observed at Medina. At two stations the absolute minimum for the month was 1° colder than any previous May record and at four stations the low record was equaled.

Frosts.—Heavy to killing frosts occurred quite generally over the district on the 10th and 11th in connection with the cold period in Ohio referred to above, and killing frosts were again recorded over the Upper Michigan Peninsula on the 25th and 26th. The greatest damage was reported from portions of Michigan and Ohio. In the fruit region of the Lower Michigan Peninsula the frost of May 10 caused considerable harm to strawberries and peaches, but later fruit was not seriously injured. In Ohio also the cold weather of the 10th and 11th did a great amount of damage to all tender vegetation, especially to peach buds. As a result of these frosts, the fruit crop in that State is estimated as being only 52 per cent of the average. In some localities of New York light frost was reported as late as the 26th, but in the fruit sections killing frost did not occur later than the 11th, at which time no serious injury occurred.

PRECIPITATION.

During the first half of the month the precipitation was light in all sections, most stations in the eastern portion of the district reporting less than 0.10 inch during this period. In the Lake Champlain Valley of New York there was no rain of consequence from about April 12 to May 15, and in Vermont agricultural operations were somewhat retarded by the drouthy conditions. Rains were frequent, however, over the entire district during the latter half of the month. In the western portion of Ohio the precipitation was unusually heavy and greatly interfered with farm work, corn planting especially being badly delayed. At Toledo 3.57 inches fell on the 26th-27th, and heavy rains were also recorded along the western shore of Lake Michigan on the 20th and the 26th, and in the western Lake Superior region on the 29th. At Duluth, Minn.,

the rainfall on this date was 1.16 inches and at Superior, Wis., 3.03 inches. Much damage was done by water in both cities, basements being flooded and railroad tracks washed away.

Snow.—The snowfall during the month was confined to the extreme northern portions of the district, and in only one instance did the total amount exceed 1 inch, 6 inches being reported from the Upper Peninsula Experiment Station at Chatham, Mich.

ICE.

No ice in any quantity was observed at the various lake stations during the month except at Duluth, Minn., concerning which the official at that station reports as follows:

At the beginning of the month and until the 17th, there was pack ice in the lake, which at times extended nearly to Two Harbors, Minn. On the 3d, 15 steamers were caught in the ice outside the harbor, and vessel operations were also impeded on the 6th, 9th, and 15th. On the last-mentioned date much of the ice outside was forced by high north-east winds into the harbor, stopping the ferries and small craft. After the 15th the ice gradually diminished in quantity, and on the 31st there was none of consequence remaining.

MISCELLANEOUS.

Sleet.—Wires, iron structures, and sidewalks at Duluth, Minn., were covered with a coating of sleet during the night of the 14th–15th.

Seiches.—Pronounced fluctuations in the level of the waters of Lake Michigan, amounting to from 1 to 2 feet, occurred at Grand Haven, Mich., between 10 and 11 a. m. on the 14th. These were accompanied by marked changes in barometric pressure. No damage to shipping was reported.

MAY LAKE LEVELS.

The following data are from the report of the United States Lake Survey:

| | Lake Superior. | Lakes Michigan, Huron. | Lake Erie. | Lake Ontario. |
|--------------------------------------|----------------|------------------------|--------------|---------------|
| | <i>Feet.</i> | <i>Feet.</i> | <i>Feet.</i> | <i>Feet.</i> |
| Above tide water at New York..... | 602.13 | 581.05 | 573.98 | 247.97 |
| Above or below: | | | | |
| Stage of April, 1913..... | +0.47 | +0.25 | —0.02 | +0.11 |
| Stage of May, 1912..... | +0.23 | +1.08 | +1.39 | +1.15 |
| Mean stage of May last 10 years..... | +0.11 | +0.33 | +1.22 | +1.14 |
| Highest recorded stage..... | —0.92 | —2.47 | —0.44 | —0.98 |
| Lowest recorded stage..... | +1.31 | +1.49 | +2.50 | +3.01 |
| Probable change during June..... | +0.30 | +0.30 | +0.20 | +0.15 |

TABLE 1.—Climatological data for May, 1913. District No. 4, Lake Region.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | | |
|---------------------------|------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------------------|-----------------------------|---------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. | |
| Minnesota. | | | | | | | | | | | | | | | | | | | | | |
| Cloquet..... | Carlton..... | 800 | 2 | 47.2 | ..... | 88 | 27 | 20 | 9 | 50 | 5.71 | ..... | 1.55 | ..... | 10 | 4 | 17 | 10 | e. | State Forest Exp. Station. | |
| Duluth..... | St. Louis..... | 1,133 | 42 | 46.2 | - 2.4 | 81 | 31 | 29 | 9 | 34 | 4.82 | + 1.35 | 1.16 | T. | 14 | 4 | 12 | 15 | ne. | U. S. Weather Bureau. | |
| Floodwood..... | do..... | 1,257 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | M. H. Schussler. | |
| Grand Marais..... | Cook..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. J. Joynes. | |
| Stephens Mine..... | St. Louis..... | 1,500 | 6 | 49.2 | ..... | 86 | 27 | 20 | 9 | 43 | 4.20 | ..... | 1.70 | T. | 7 | 14 | 11 | 6 | w. | Oliver Iron Mining Co. | |
| Two Harbors..... | Lake..... | 614 | 19 | 46.1 | - 1.4 | 78 | 30 | 27 | 7 | 39 | 3.03 | - 0.51 | 1.50 | ..... | 9 | 2 | 21 | 8 | ne. | G. W. Watts. | |
| Virginia..... | St. Louis..... | 1,434 | 19 | 48.4 | - 2.3 | 86 | 27 | 22 | 9 | 43 | 4.11 | + 0.45 | 1.32 | ..... | 13 | 9 | 15 | 7 | nw. | Oliver Iron Mining Co. | |
| Wisconsin. | | | | | | | | | | | | | | | | | | | | | |
| Appleton..... | Outagamie..... | 795 | 12 | 56.2 | + 0.9 | 86 | 1 | 30 | 10 | 36 | 7.63 | + 3.99 | 1.59 | ..... | 14 | 13 | 11 | 7 | se. | William O. Thiede. | |
| Ashland..... | Ashland..... | 615 | 22 | 48.5 | - 2.0 | 85 | 1 | 20 | 9 | 44 | 4.59 | + 1.02 | 1.20 | ..... | 10 | 12 | 1 | 18 | ne. | Agr. Exp. Station. | |
| Bayfield..... | Bayfield..... | 635 | 4 | 49.0 | - 1.5 | 82 | 31 | 30 | 9 | 36 | 4.50 | + 1.05 | ..... | ..... | 12 | 1 | 10 | n. | Rev. Sabinus Mollitor. | | |
| Cecil..... | Shawano..... | 804 | 15 | 54.0 | - 0.1 | 85 | 1 | 27 | 10 | 30 | 5.10 | + 2.08 | 2.04 | ..... | 7 | 10 | 13 | 8 | se. | Louis W. Schmidt. | |
| Cornucopia..... | Bayfield..... | 640 | 1 | 46.4 | ..... | 79 | 31 | 26 | 10 | 33 | 4.13 | ..... | 0.84 | ..... | 13 | 5 | 16 | 10 | ne. | Reed Fruit Co. | |
| Crandon..... | Forest..... | 1,060 | 18 | 50.9 | - 1.3 | 80 | 28 | 25 | 10 | 36 | 4.25 | + 1.75 | 1.20 | ..... | 10 | 10 | 11 | 10 | se. | Frank Shoemaker. | |
| Florence..... | Florence..... | 1,293 | 22 | 50.4 | - 0.8 | 83 | 2 | 25 | 9 | 37 | 3.74 | 0.00 | 1.02 | T. | 8 | 17 | 3 | 10 | sw. | Fred S. Evans. | |
| Fond du lac..... | Fond du lac..... | 800 | 27 | 55.6 | - 0.6 | 86 | 1 | 25 | 9 | 43 | 7.83 | + 4.47 | 2.17 | ..... | 14 | 21 | 2 | 8 | s. | Edward A. Seeley. | |
| Grand River Locks..... | Marquette..... | 770 | 17 | 56.6 | ..... | 83 | 1 | 31 | 10 | 38 | 6.22 | + 1.39 | 1.20 | ..... | 12 | 18 | 5 | 8 | s. | Jerry Parkinson. | |
| Green Bay..... | Brown..... | 617 | 27 | 53.4 | - 1.1 | 82 | 1 | 31 | 10 | 33 | 5.49 | + 1.92 | 1.22 | ..... | 16 | 4 | 10 | 17 | s. | U. S. Weather Bureau. | |
| High Falls..... | Marinette..... | 1,125 | 1 | 52.2 | ..... | 86 | 1 | 21 | 10 | 46 | 4.55 | ..... | 0.83 | ..... | 12 | 13 | 7 | 11 | se. | No. Hydro-Elec. Pow. Co. | |
| Iron River..... | Bayfield..... | 1,096 | 4 | 49.9 | ..... | 90 | 27 | 19 | 9 | 47 | 5.67 | ..... | 1.47 | ..... | 10 | 17 | 7 | 7 | ne. | Winfield E. Tripp. | |
| Kewaunee..... | Kewaunee..... | 590 | 4 | 49.0 | ..... | 70 | 28 | 28 | 10 | 29 | 4.34 | ..... | 0.93 | ..... | 11 | 14 | 8 | 9 | s. | Capt. N. Craite. | |
| Manitowoc..... | Manitowoc..... | 616 | 62 | 51.0 | - 1.2 | 79 | 3 | 28 | 10 | 35 | 6.07 | + 3.28 | 1.08 | ..... | 12 | 7 | 11 | 13 | ne. | Miss Johanna Lups. | |
| Menasha..... | Winnebago..... | 764 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7.16 | + 4.08 | 2.08 | ..... | 12 | 19 | 5 | 7 | se. | Geo. T. Allanson. | |
| Menomonee Falls..... | Waukesha..... | 842 | 4 | 55.2 | ..... | 83 | 1 | 26 | 10 | 37 | 6.26 | ..... | 1.23 | ..... | 12 | 17 | 4 | 10 | nw. | Arthur H. Christman. | |
| Milwaukee..... | Milwaukee..... | 681 | 43 | 54.2 | + 0.6 | 83 | 2 | 34 | 10 | 35 | 5.65 | + 2.23 | 1.12 | ..... | 12 | 13 | 6 | 12 | ne. | U. S. Weather Bureau. | |
| New London..... | Outagamie..... | 762 | 17 | 54.8 | - 1.3 | 84 | 1 | 28 | 10 | 40 | 6.88 | + 2.65 | 1.50 | ..... | 14 | 10 | 10 | 11 | se. | August H. Pape. | |
| Oconto..... | Oconto..... | 590 | 22 | 53.6 | - 0.6 | 86 | 1 | 28 | 10 | 38 | 4.83 | + 1.19 | 0.97 | ..... | 12 | 20 | 5 | 6 | e. | Harry M. Lord. | |
| Oshkosh..... | Winnebago..... | 744 | 24 | 55.2 | - 1.4 | 85 | 1 | 29 | 10 | 39 | 5.68 | + 1.81 | 1.44 | ..... | 9 | 16 | 7 | 6 | sw. | Evan Vincent. | |
| Pine River..... | Waushara..... | 900 | 18 | 55.4 | - 1.3 | 86 | 1 | 27 | 10 | 40 | 8.83 | + 4.77 | 2.04 | ..... | 15 | 4 | 18 | 9 | nw. | George H. Carpenter. | |
| Plum Island..... | Door..... | 588 | 5 | 47.4 | ..... | 69 | 1 | 27 | 10 | 31 | 3.57 | ..... | 0.88 | ..... | 9 | 12 | 7 | 12 | s. | William Robinson. | |
| Plymouth..... | Sheboygan..... | 843 | 3 | 53.6 | ..... | 83 | 1 | 27 | 10 | 32 | 6.01 | ..... | 1.39 | ..... | 16 | 10 | 10 | 11 | nw. | Paul P. Feldrappe. | |
| Port Washington..... | Ozaukee..... | 713 | 20 | 51.8 | - 1.0 | 80 | 1 | 29 | 10 | 35 | 5.54 | + 1.79 | 1.20 | ..... | 12 | 9 | 10 | 12 | ne. | Richard C. Kann. | |
| Racine..... | Racine..... | 633 | 16 | 55.4 | + 0.4 | 84 | 1 | 31 | 11 | 39 | 5.63 | + 2.58 | 1.15 | ..... | 15 | 16 | 6 | 9 | nw. | Daniel Davis. | |
| Ripon..... | Fond du Lac..... | 1,031 | 3 | 56.0 | ..... | 83 | 1 | 30 | 10 | 30 | 7.17 | ..... | 1.53 | ..... | 14 | 10 | 12 | 9 | nw. | Ripon College. | |
| Sheboygan..... | Sheboygan..... | 831 | 14 | 52.7 | + 0.1 | 83 | 1 | 35 | 10 | 36 | 7.04 | + 3.40 | 1.62 | ..... | 12 | 11 | 9 | 11 | nw. | Louis C. Meyer. | |
| Sturgeon Bay..... | Door..... | 600 | 14 | 48.6 | - 0.4 | 68 | 12 | 25 | 10 | 29 | 5.19 | ..... | 1.15 | ..... | 15 | 8 | 16 | 7 | ne. | Adam N. Dier. | |
| Superior..... | Douglas..... | 701 | 4 | 45.0 | ..... | 82 | 31 | 32 | 10 | 41 | 7.51 | ..... | 3.03 | ..... | 14 | 9 | 13 | 9 | ne. | Edward B. Banks. | |
| Waupaca..... | Waupaca..... | 857 | 18 | 55.2 | - 1.2 | 86 | 2 | 25 | 10 | 47 | 8.53 | + 4.29 | 1.96 | ..... | 14 | 8 | 10 | 13 | se. | James H. Flagg. | |
| Illinois. | | | | | | | | | | | | | | | | | | | | | |
| Chicago..... | Cook..... | 823 | 43 | 57.6 | + 1.1 | 85 | 2 | 38 | 10 | 29 | 4.38 | + 1.01 | 1.83 | ..... | 11 | 11 | 9 | 11 | ne. | U. S. Weather Bureau. | |
| Indiana. | | | | | | | | | | | | | | | | | | | | | |
| Auburn..... | Dekalb..... | 874 | 17 | 57.6 | - 0.9 | 85 | 2 | 27 | 10 | 44 | 3.68 | - 0.03 | 2.30 | ..... | 7 | 12 | 7 | 12 | sw. | Mrs. Josie B. Kuhlman. | |
| Berne..... | Adams..... | 849 | 4 | 60.9 | ..... | 86 | 2 | 28 | 11 | 38 | 3.20 | ..... | 1.52 | ..... | 8 | 12 | 11 | 8 | nw. | Henry M. Reusser. | |
| Fort Wayne..... | Allen..... | 856 | 17 | 59.9 | - 0.3 | 84 | 2 | 33 | 10 | 33 | 3.77 | + 0.09 | 1.98 | ..... | 9 | 12 | 11 | 8 | sw. | U. S. Weather Bureau. | |
| Hammond..... | Lake..... | 598 | 22 | 59.0 | + 0.9 | 86 | 2 | 31 | 11 | 43 | 5.17 | + 1.13 | 2.00 | ..... | 10 | 5 | 13 | 13 | ..... | Carson W. Whitney. | |
| Howe..... | Lagrange..... | 886 | 8 | 59.0 | ..... | 89 | 2 | 28 | 11 | 40 | 4.21 | ..... | 1.50 | ..... | 13 | 17 | 0 | 14 | se. | A. A. Wade. | |
| Notre Dame..... | St. Joseph..... | 712 | 2 | 58.1 | ..... | 83 | 2 | 31 | 10 | 31 | 4.80 | ..... | 2.75 | ..... | 11 | 13 | 15 | 3 | s. | U. S. Weather Bureau. | |
| Whiting..... | Lake..... | 606 | 4 | 59.4 | ..... | 86 | 2 | 33 | 11 | 35 | 5.59 | ..... | 2.31 | ..... | 11 | 15 | 7 | 9 | ne. | D. H. Boyd. | |
| Michigan—Upper Peninsula. | | | | | | | | | | | | | | | | | | | | | |
| Baraga..... | Baraga..... | 623 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.30 | - 2.39 | 0.30 | ..... | 8 | 10 | 0 | 21 | w. | D., S. S. & A. Ry. | |
| Bergland..... | Ontonagon..... | 1,300 | 3 | 52.4 | ..... | 91 | 1 | 20 | 9 | 51 | 3.05 | ..... | 0.95 | ..... | 7 | 14 | 4 | 13 | n. | Frank McMonigal. | |
| Calumet..... | Houghton..... | 1,246 | 25 | 46.4 | + 0.5 | 74 | 1 | 26 | 15 | 36 | 2.95 | - 0.39 | 0.80 | ..... | 12 | 13 | 8 | 10 | e. | E. S. Grierson. | |
| Chatham..... | Alger..... | 875 | 12 | 45.1 | - 2.1 | 87 | 1 | 19 | 11 | 65 | 2.31 | - 0.77 | 1.00 | | 6 | 5 | 11 | 4 | 16 | n. | Upper Peninsula Exp. Sta. |
| Deer Park..... | Luce..... | 610 | 12 | 45.8 | + 0.1 | 85 | 1 | 27 | 26 | 43 | 1.02 | - 2.45 | 0.40 | ..... | 4 | 13 | 5 | 13 | w. | Mrs. Sarah E. McGaw. | |
| Detour..... | Chippewa..... | 585 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Ervin Vincent. | |
| Eagle Harbor..... | Keweenaw..... | 622 | 14 | 44.9 | - 0.8 | 78 | 1 | 28 | 8 | 35 | ..... | ..... | ..... | ..... | ..... | 17 | 0 | 14 | sw. | T. J. Bennets. | |
| Escanaba..... | Delta..... | 612 | 40 | 47.4 | - 2.6 | 67 | 28 | 29 | 9 | 26 | 3.28 | - 0.14 | 0.95 | ..... | 12 | 7 | 10 | 14 | s. | U. S. Weather Bureau. | |
| Ewen..... | Ontonagon..... | 1,147 | 12 | 49.4 | - 0.9 | 83 | 1 | 29 | 9 | 40 | 2.97 | - 0.57 | 0.83 | ..... | 12 | 10 | 5 | 16 | sw. | W. B. Hatfield. | |
| Grand Marais..... | Alger..... | 610 | 12 | 45.1 | - 0.2 | 83 | 1 | 29 | 10 | 32 | 2.23 | - 0.50 | 0.90 | ..... | 8 | 19 | 5 | 7 | w. | Mrs. Lena Truedell. | |
| Green..... | Ontonagon..... | 622 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. A. Green. | |
| Houghton..... | Houghton..... | 668 | 12 | 46.5 | - 2.7 | 81 | 1 | 28 | 25 | 33 | 2.88 | + 0.59 | 0.82 | T. | 13 | 6 | 12 | 13 | e. | U. S. Weather Bureau. | |
| Humboldt..... | Marquette..... | 1,536 | 16 | 52.6 | + 5.3 | 84 | 1 | 28 | 9 | 39 | 2.57 | - 0.06 | 1.12 | ..... | 6 | 14 | 0 | 17 | w. | D., S. S. & A. Ry. | |
| Iron Mountain..... | Dickinson..... | 1,111 | 12 | 52.8 | + 0.9 | 85 | 1 | 26 | 12 | 39 | 3.16 | - 0.22 | 0.78 | T. | 9 | 7 | 18 | 6 | nw. | Chapin Mining Co. | |
| Iron River..... | Iron..... | 1,504 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Victor D. Laing. | |
| Ironwood..... | Gogebic..... | 1,520 | 10 | 50.0 | + 0.3 | 81 | 27 | 24 | 9 | 35 | 3.00 | - 0.01 | 1.00 | ..... | 9 | 15 | 6 | 10 | n. | J. V. Brennan. | |
| Ishpeming..... | Marquette..... | 1,536 | 13 | 48.9 | - 0.4 | 84 | 31 | 25 | 9 | 36 | 2.01 | - 1.62 | 0.50 | ..... | 9 | 8 | 22 | 1 | w. | Cleveland Cliffs Iron Co. | |
| Isle Royale..... | Keweenaw..... | 610 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. A. Malone. | |
| Mackinac Island..... | Mackinac..... | 831 | 12 | 48.1 | + 0.1 | 75 | 2 | 28 | 7 | 25 | 2.08 | - 1.92 | 0.64 | T. | 9 | 4 | 12 | 15 | w. | Mackinac I. State Park Com. | |
| Maple Ridge..... | Delta..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Herman Johnson. | |
| Marquette..... | Marquette..... | 734 | 42 | 47.6 | - 1.4 | 87 | 1 | 29 | 7 | 43 | 2.04 | - 1.28 | 0.56 | T. | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 4—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Observers. | | |
|----------------------|----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------|--------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | Number of overcast days. | Prevailing wind direction. |
| Lower Peninsula—Con. | | | | | | | | | | | | | | | | | | | | |
| Ann Arbor | Washtenaw | 930 | 33 | 57.0 | - 0.6 | 83 | 12 | 30 | 10 | 36 | 5.34 | + 1.69 | 1.81 | 0 | 10 | 7 | 14 | 10 | sw. | University of Michigan. |
| Arbela | Tuscola | 728 | 17 | 56.1 | - 0.8 | 82 | 4 | 23 | 10 | 35 | 1.66 | - 2.43 | 1.05 | 0 | 4 | 2 | 19 | 10 | w. | Wm. Atkin. |
| Armada | Macomb | 24 | 54.8 | - 0.5 | 83 | 12 | 24 | 10 | 39 | 3.87 | + 0.12 | 1.34 | 0 | 10 | 9 | 15 | 7 | sw. | R. O. Gould. | |
| Battle Creek | Calhoun | 822 | 29 | 57.3 | - 2.2 | 85 | 2 | 29 | 10 | 39 | 3.26 | + 0.24 | 0.92 | 0 | 11 | 13 | 4 | 14 | sw. | Elmer E. Sager. |
| Bay City | Bay | 593 | 17 | 57.6 | + 0.3 | 87 | 12 | 30 | 10 | 37 | 0.58 | - 3.26 | 0.24 | 0 | 6 | 13 | 9 | 9 | sw. | Pere Marquette R. R. |
| Benzonia | Benzie | 832 | 16 | 52.2 | 0 | 83 | 12 | 28 | 10 | 31 | 3.06 | - 0.52 | 1.20 | 0 | 11 | 10 | 12 | 9 | sw. | Wallace Nutting. |
| Big Rapids | Mecosta | 906 | 17 | 56.7 | + 1.3 | 84 | 12 | 27 | 10 | 40 | 2.14 | - 0.82 | 0.85 | 0 | 7 | 12 | 8 | 11 | sw. | Supt. Waterworks. |
| Blissfield | Lenawee | 687 | 1 | 59.4 | | 85 | 12 | 30 | 10 | 40 | 5.90 | | 1.42 | 0 | 11 | 4 | 19 | 8 | ne. | Harry Watson. |
| Bloomington | Van Buren | 9 | 57.3 | | | 84 | 2 | 25 | 10 | 35 | 2.22 | | 0.61 | 0 | 14 | 15 | 4 | 12 | sw. | John M. Haven. |
| Cadillac | Wexford | 1,293 | 4 | 52.8 | | 78 | 1† | 24 | 10 | 34 | 2.16 | | 0.80 | 0 | 5 | 11 | 10 | 10 | nw. | Cadillac Water & Light Co. |
| Cassopolis | Cass | 903 | 12 | | | | | | | | | | | | | 14† | 9† | 2† | | Michigan Central R. R. |
| Charlevoix | Charlevoix | 610 | 35 | 49.4 | - 2.6 | 82 | 3 | 26 | 10 | 30 | 2.07 | - 0.59 | 0.95 | 0 | 5 | 11 | 15 | 5 | nw. | Pere Marquette R. R. |
| Charlotte | Eaton | 9 | 57.3 | | | 85 | 2 | 26 | 10 | 36 | 4.72 | | 2.60 | 0 | 7 | 17 | 3 | 11 | w. | City of Charlotte. |
| Cheboygan | Cheboygan | 611 | 23 | 50.4 | - 0.2 | 86 | 1† | 26 | 10† | 44 | 2.47 | - 0.69 | 0.80 | T. | 7 | 1 | 24 | 5 | sw. | E. A. Bouchard. |
| Clinton | Lenawee | 830 | 23 | 58.8 | + 0.7 | 85 | 2 | 27 | 10 | 46 | 4.69 | + 0.56 | 1.24 | 0 | 10 | 15 | 11 | 5 | nw. | David Woodward. |
| Coldwater | Branch | 984 | 16 | 59.4 | + 0.5 | 84 | 2 | 29 | 10† | 37 | 3.54 | - 0.77 | 0.80 | 0 | 9 | 11 | 7 | 13 | sw. | L. S. & M. S. R. R. |
| Croton | Newaygo | 685 | 5 | 56.6 | | 80 | 2† | 30 | 11 | 35 | 1.79 | | 0.52 | 0 | 8 | 7 | 18 | 6 | nw. | Gr. Rap. Musk. Power Co. |
| Detroit | Wayne | 730 | 42 | 57.4 | - 0.5 | 84 | 4 | 33 | 9 | 31 | 4.57 | + 1.30 | 1.47 | 0 | 9 | 7 | 14 | 10 | sw. | U. S. Weather Bureau. |
| Durand | Shiawassee | 799 | 5 | 56.8 | | 84 | 11† | 24 | 7† | 42 | | | | 0 | | 15 | 4 | 12 | nw. | Chief train dispatcher. |
| East Tawas | Iosco | 590 | 16 | 50.6 | - 1.6 | 75 | 2† | 26 | 9 | 28 | 1.32 | - 1.60 | 0.60 | 0 | 5 | 21 | 10 | 0 | e. | Detroit & Mackinaw Ry. |
| Eloise | Wayne | 640 | 16 | 57.8 | + 0.5 | 85 | 5 | 30 | 10† | 37 | 6.08 | + 3.41 | 1.96 | 0 | 11 | 14 | 9 | 8 | s. | John Gilmore. |
| Five Channels | Iosco | 00 | 53.4 | | | 86 | 2 | 24 | 26 | 39 | 1.14 | | 0.32 | 0 | 8 | 18 | 9 | 4 | sw. | Au Sable Electric Co. |
| Flint | Genesee | 730 | 24 | 56.3 | + 0.4 | 85 | 2 | 29 | 10 | 36 | 3.16 | + 0.62 | 1.50 | 0 | 12 | 14 | 3 | 14 | w. | William L. Fisher. |
| Frankfort | Franklin | 589 | 9 | 48.0 | | 67 | 29 | 30 | 11 | 22 | 3.20 | | 1.20 | 0 | 4 | 15 | 0 | 16 | s. | Geo. Morency. |
| Ganges | Allegan | 665 | 4 | 54.1 | | 79 | 2 | 27 | 10 | 32 | 2.96 | | 1.13 | 0 | 10 | 13 | 5 | 12 | sw. | H. H. Hutchins. |
| Gaylord | Otsego | 1,367 | 13 | 50.5 | - 0.8 | 84 | 1† | 18 | 8 | 38 | 1.86 | - 0.95 | 0.79 | 0 | 7 | 20 | 0 | 11 | sw. | Michigan Central R. R. |
| Gladwin | Gladwin | 794 | 17 | 56.5 | + 1.6 | 89 | 2 | 26 | 10 | 47 | 2.60 | - 0.76 | 1.40 | 0 | 2 | 22 | 4 | 5 | w. | George R. Smith. |
| Grand Haven | Ottawa | 628 | 42 | 52.5 | + 2.3 | 76 | 2 | 29 | 10 | 28 | 2.13 | - 1.21 | 0.57 | 0 | 9 | 13 | 7 | 11 | w. | U. S. Weather Bureau. |
| Grand Rapids | Kent | 707 | 24 | 57.4 | - 1.6 | 83 | 2 | 30 | 10 | 33 | 1.76 | - 1.58 | 0.45 | 0 | 9 | 10 | 8 | 13 | w. | Do. |
| Grape | Monroe | 625 | 23 | 58.6 | + 0.7 | 87 | 2 | 29 | 10 | 39 | 5.58 | + 2.08 | 1.13 | 0 | 12 | 12 | 12 | 7 | ----- | Joseph W. Morris. |
| Grass Lake | Jackson | 989 | 7 | 57.7 | | 84 | 4 | 27 | 10 | 32 | 4.99 | | 1.35 | 0 | 10 | 14 | 3 | 14 | sw. | Menzo Conklin. |
| Grayling | Crawford | 1,147 | 23 | 51.0 | - 3.1 | 89 | 28 | 22 | 7 | 45 | 2.05 | - 0.92 | 0.67 | 0 | 7 | 13 | 6 | 12 | w. | S. N. Insley. |
| Greenville | Montcalm | 802 | 1 | | | | | | | | | | | | | | | | | Michigan Pickle Co. |
| Harbor Beach | Huron | 635 | 25 | 53.0 | + 1.2 | 88 | 2 | 30 | 11 | 35 | 0.87 | - 2.16 | 0.55 | 0 | 5 | 19 | 11 | 1 | ne. | Pere Marquette R. R. |
| Harrison | Clare | 1,159 | 20 | 55.0 | + 1.3 | 85 | 2 | 24 | 10 | 37 | 1.09 | - 1.94 | 0.46 | 0 | 4 | 20 | 1 | 10 | s. | Do. |
| Harrisville | Alcona | 616 | 29 | 50.2 | - 0.2 | 87 | 2 | 26 | 10 | 37 | 1.63 | - 1.70 | 0.64 | 0 | 11 | 18 | 5 | 8 | ne. | D. W. Mitchell. |
| Hart | Oceana | 698 | 21 | 55.4 | + 0.7 | 82 | 2 | 27 | 10 | 38 | 3.44 | - 0.11 | 0.95 | 0 | 12 | 12 | 11 | 8 | sw. | Pere Marquette R. R. |
| Hayes | Huron | 620 | 23 | 56.2 | + 1.6 | 85 | 2† | 28 | 26 | 39 | 1.64 | - 1.31 | 0.75 | 0 | 6 | 13 | 12 | 4 | sw. | C. F. Leipprandt. |
| Highland | Oakland | 1,006 | 21 | | | | | | | | 3.97 | + 0.39 | 1.65 | 0 | 7 | | | | | A. D. DeGarmo. |
| Hillsdale | Hillsdale | 1,150 | 16 | 58.2 | + 0.8 | 84 | 2 | 28 | 10† | 36 | 3.74 | - 0.54 | 1.20 | 0 | 9 | 11 | 13 | 7 | sw. | C. L. Herron. |
| Holland | Ottawa | 610 | 7 | 55.2 | | 83 | 3 | 27 | 10 | 32 | 2.46 | | 0.43 | 0 | 12 | 11 | 11 | 9 | sw. | City of Holland. |
| Houghton Lake | Roscommon | 0 | 52.2 | | | 83 | 3 | 27 | 10 | 33 | 1.64 | | 0.75 | 0 | 7 | 11 | 8 | 10 | n. | James H. Orlander. |
| Howell | Livingston | 924 | 21 | 57.0 | + 0.5 | 82 | 2† | 27 | 10 | 33 | 4.97 | + 1.74 | 1.50 | 0 | 9 | 13 | 4 | 13 | sw. | Frank Sharp. |
| Ivan | Kalamazoo | 24 | 52.6 | - 0.4 | 84 | 1 | 22 | 11 | 39 | 2.50 | - 0.66 | 1.00 | 0 | 7 | 8 | 18 | 5 | nw. | O. L. Giddings. | |
| Jackson | Jackson | 927 | 16 | 58.4 | - 1.0 | 85 | 2 | 28 | 10 | 37 | 4.22 | + 0.61 | 1.28 | 0 | 12 | 14 | 9 | 8 | n. | City of Jackson. |
| Jeddo | St. Clair | 667 | 24 | 54.4 | - 0.3 | 83 | 2 | 27 | 10 | 38 | 2.53 | - 0.74 | 0.93 | 0 | 7 | 11 | 13 | 7 | ne. | William Bice. |
| Johannesburg | Otsego | 0 | 51.1 | | | 84 | 2 | 21 | 10 | 39 | 2.20 | | 1.15 | T. | 5 | 9 | 16 | 4 | nw. | Axel Becker. |
| Kalamazoo | Kalamazoo | 955 | 37 | 56.0 | - 2.2 | 80 | 2 | 27 | 10 | 32 | 3.18 | - 0.94 | 1.15 | 0 | 7 | 10 | 10 | 11 | w. | Kalamazoo Asylum. |
| Lansing (Agri. Col.) | Ingham | 863 | 49 | 56.2 | - 0.9 | 83 | 2 | 27 | 10 | 35 | 2.21 | - 1.37 | 0.57 | 0 | 14 | 11 | 7 | 13 | sw. | U. S. Weather Bureau. |
| Lansing (Capitol) | do. | 881 | 26 | 57.1 | - 0.2 | 84 | 2 | 28 | 10 | 34 | 2.32 | - 1.38 | 0.58 | 0 | 11 | 12 | 6 | 13 | nw. | State Board of Health. |
| Lapeer | Lapeer | 827 | 14 | 56.4 | + 0.3 | 86 | 4 | 28 | 10† | 33 | 3.12 | - 0.23 | 1.00 | 0 | 7 | 6 | 22 | 3 | sw. | Michigan Home. |
| Ludington | Mason | 637 | 15 | 50.0 | - 2.6 | 73 | 2 | 30 | 10† | 27 | 2.93 | + 0.36 | 0.82 | 0 | 13 | 10 | 10 | 11 | s. | U. S. Weather Bureau. |
| Luther | Lake | 1,028 | 3 | 53.8 | | 83 | 2 | 16 | 10 | 42 | 2.53 | | 0.63 | 0 | 11 | 11 | 9 | 11 | sw. | John W. Nicholson. |
| Mackinaw | Cheboygan | 592 | 22 | 46.3 | - 2.8 | 82 | 3 | 28 | 7† | 42 | | | | 0 | | | | | sw. | G. R. & I. Ry. |
| Mancelona | Antrim | 1,121 | 17 | 52.4 | - 0.2 | 88 | 1 | 16 | 7 | 43 | 2.21 | + 0.14 | 0.80 | 0 | 4 | 14 | 0 | 17 | w. | Do. |
| Manistee | Manistee | 609 | 16 | | | | | | | | | | | | | | | | | Pere Marquette R. R. |
| Marshall | Calhoun | 896 | 1 | | | | | | | | | | | | | | | | | E. B. Stuart. |
| Midland | Midland | 604 | 14 | 57.8 | - 0.5 | 87 | 2 | 27 | 10 | 36 | 1.40 | - 1.68 | 1.00 | 0 | 3 | 10 | 11 | 10 | se. | Pere Marquette R. R. |
| Morenci | Lenawee | 811 | 6 | 58.0 | | 84 | 2 | 29 | 11 | 39 | 5.05 | | 1.37 | 0 | 11 | 11 | 11 | 9 | sw. | George J. Tripp. |
| Mount Clements | Macomb | 615 | 13 | 56.8 | + 1.0 | 87 | 2 | 30 | 10† | 44 | 3.02 | + 0.10 | 1.10 | 0 | 5 | 16 | 1 | 14 | e. | Waterworks. |
| Mount Pleasant | Isabella | 826 | 14 | 53.8 | - 2.3 | 80 | 26† | 27 | 12 | 35 | 0.83 | - 1.81 | 0.52 | 0 | 4 | 15 | 10 | 6 | w. | Pere Marquette R. R. |
| Muskegon | Muskegon | 587 | 17 | 55.0 | - 0.7 | 77 | 2† | 29 | 23 | 35 | 3.97 | + 0.90 | 2.00 | 0 | 8 | 10 | 16 | 5 | ----- | G. R. & I. Ry. |
| Old Mission | Grand Traverse | 858 | 19 | 51.1 | - 2.1 | 84 | 2 | 27 | 10 | 36 | 2.13 | + 1.12 | 0.95 | 0 | 12 | 10 | 19 | 2 | n. | E. O. Ladd. |
| Olivet | Eaton | 934 | 23 | | | | | | | | | | | | | | | | | G. A. Knapp. |
| Omer | Arenac | 616 | 14 | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 4—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | Sky. | | | | | Observers. |
|-----------------------|-------------------|------------------|--------------------------|-------------------------------------|----------------------------|-----------------|-------|-----------------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|--------------------------|----------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of overcast days. | Prevailing wind direction. | |
| Ohio—Continued. | | | | | | | | | | | | | | | | | | | | |
| Cleveland (2)..... | Cuyahoga..... | 754 | 16 | 58.2 | - 0.3 | 87 | 5 | 35 | 11† | 30 | 2.91 | - 0.02 | 1.11 | 0 | 10 | 15 | 8 | 8 | nw. | Rev. F. L. Odenbach, S. J. |
| Conneaut..... | Ashtabula..... | 675 | 3 | 56.0 | ..... | 85 | 4† | 35 | 10 | 34 | 2.49 | ..... | 0.85 | 0 | 12 | 6 | 9 | 16 | sw. | E. L. Ransom. |
| Findlay..... | Hancock..... | 776 | 24 | 59.6 | - 0.8 | 88 | 2† | 26 | 11 | 44 | 4.15 | + 0.39 | 2.15 | 0 | 11 | 19 | 5 | 7 | se. | Dr. E. A. Moser. |
| Fremont..... | Sandusky..... | 628 | 11 | 60.4 | - 0.2 | 87 | 2† | 30 | 11 | 37 | 6.40 | + 2.59 | 2.40 | 0 | 8 | 17 | 5 | 9 | ..... | E. Stanley Thomas. |
| Hedges..... | Paulding..... | 725 | 19 | 60.2 | + 0.1 | 88 | 25 | 27 | 11 | 39 | 4.13 | + 1.10 | 1.40 | 0 | 8 | 17 | 9 | 5 | sw. | Charles Stutzman. |
| Hillhouse..... | Lake..... | 997 | 20 | 55.8 | - 1.3 | 85 | 4† | 25 | 11 | 36 | 3.06 | - 1.31 | 0.91 | 0 | 12 | 16 | 10 | 5 | nw. | J. W. Doncaster. |
| Hiram..... | Portage..... | 1,260 | 33 | 58.0 | - 0.1 | 84 ^a | 5 | 29 ^a | 10 | 33 ^a | 2.85 | - 1.05 | 0.75 | 0 | 8 | 13 ^a | 12 ^a | 5 ^a | nw. | Prof. G. H. Colton. |
| Hudson..... | Summit..... | 1,123 | 52 | 59.4 ^a | - 0.3 | 90 ^a | 2 | 29 ^a | 10† | 44 ^a | 3.31 | + 0.13 | ..... | 0 | 9 | 18 ^b | 5 ^b | 6 ^b | sw. | Dr. W. I. Chamberlain. |
| Lima..... | Allen..... | 875 | 14 | 59.8 | - 0.6 | 84 | 2† | 28 | 11 | 41 | 3.41 | - 0.15 | 1.87 | 0 | 6 | 16 | 3 | 12 | sw. | Miss Ollie De Long. |
| Medina..... | Medina..... | 944 | 25 | 58.2 | - 1.5 | 87 | 2 | 24 | 11 | 44 | 2.83 | - 0.63 | 0.62 | 0 | 12 | 19 | 5 | 7 | w. | F. W. Clark. |
| Montpelier..... | Williams..... | 880 | 21 | 59.9 | - 1.1 | 86 | 2 | 29 | 11 | 41 | 4.56 | + 0.26 | 2.46 | 0 | 8 | 20 | 4 | 7 | n. | G. L. Lacer. |
| Napoleon..... | Henry..... | 680 | 26 | 60.2 | + 0.1 | 88 | 16 | 29 | 10 | 45 | 4.19 | + 0.72 | 2.54 | 0 | 9 | 18 | 1 | 12 | w. | A. C. Senter. |
| New Bremen..... | Auglaize..... | 1,038 | 20 | 60.6 | - 0.9 | 85 | 2 | 28 | 11 | 35 | 2.26 | - 0.65 | 0.90 | 0 | 6 | 11 | 14 | 6 | sw. | Miss Lillian Grothaus. |
| North Royalton..... | Cuyahoga..... | 1,000 | 20 | 57.6 | - 1.0 | 84 | 2† | 27 | 11 | 33 | 3.45 | - 0.34 | 0.86 | 0 | 6 | 18 | 10 | 3 | w. | W. S. Edgerton. |
| Norwalk..... | Huron..... | 719 | 27 | 59.4 | - 0.7 | 87 | 5 | 27 | 11 | 38 | 4.16 | + 0.86 | 1.62 | 0 | 10 | 11 | 12 | 8 | w. | Giles R. Gregory. |
| Oberlin..... | Lorain..... | 855 | 38 | 58.4 | - 0.5 | 87 | 3† | 28 | 11 | 42 | 2.80 | - 0.68 | 1.05 | 0 | 8 | 18 | 3 | 10 | ne. | Prof. F. F. Jewett. |
| Ottawa..... | Putnam..... | 720 | 20 | 59.6 | - 1.4 | 85 | 2† | 29 | 11 | 37 | 4.63 | + 1.27 | 1.25 | 0 | 8 | 8 | 17 | 6 | sw. | Prof. J. T. Maidlow. |
| Sandusky..... | Erie..... | 629 | 36 | 58.6 | - 0.6 | 86 | 5 | 37 | 11 | 33 | 4.69 | + 1.44 | 1.94 | 0 | 11 | 6 | 12 | 13 | sw. | U. S. Weather Bureau. |
| Tiffin..... | Seneca..... | 775 | 31 | 59.2 | - 0.7 | 87 | 5 | 31 | 11 | 34 | 4.77 | + 0.92 | 1.24 | 0 | 12 | 15 | 10 | 6 | n. | Prof. T. H. Sonnedecker. |
| Toledo..... | Lucas..... | 769 | 42 | 58.8 | - 0.9 | 85 | 2 | 32 | 10 | 34 | 7.39 | + 4.12 | 3.57 | 0 | 10 | 12 | 11 | 8 | sw. | U. S. Weather Bureau. |
| Upper Sandusky..... | Wyandot..... | 854 | 30 | 60.0 | - 0.7 | 87 | 3 | 26 | 11 | 35 | 5.43 | + 1.51 | 2.00 | 0 | 9 | 9 | 14 | 8 | sw. | Robert E. Tracht. |
| Vickery..... | Sandusky..... | 588 | 20 | 58.4 | - 1.3 | 87 | 5 | 26 | 11 | 40 | 7.94 | + 4.49 | 2.56 | 0 | 14 | 11 | 8 | 12 | sw. | John W. Barr. |
| Wapakoneta..... | Auglaize..... | 898 | 1 | 60.8 | ..... | 85 | 5 | 28 | 11 | 36 | 2.43 | ..... | 0.70 | 0 | 11 | 11 | 16 | 4 | nw. | Dr. William Kayser. |
| Wauseon..... | Fulton..... | 780 | 41 | 58.3 | - 0.6 | 86 | 2 | 27 | 11 | 40 | 4.95 | + 0.82 | 2.68 | 0 | 14 | 9 | 13 | 9 | n. | Thomas Mikesell. |
| Wickliffe..... | Lake..... | 740 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.00 | ..... | 0.76 | 0 | 9 | 16 | 11 | 4 | s. | C. M. Richardson. |
| Pennsylvania. | | | | | | | | | | | | | | | | | | | | |
| Erie..... | Erie..... | 658 | 40 | 55.8 | - 1.5 | 83 | 5 | 36 | 10 | 30 | 2.68 | - 0.75 | 0.91 | 0 | 14 | 9 | 16 | 6 | w. | U. S. Weather Bureau. |
| New York. | | | | | | | | | | | | | | | | | | | | |
| Adams Center..... | Jefferson..... | 540 | 22 | 54.4 | + 0.4 | 91 | 4 | 30 | 11† | 34 | 2.51 | - 0.94 | 0.91 | T. | 7 | 17 | 9 | 5 | w. | A. E. Cooley. |
| Angelica..... | Allegany..... | 1,340 | 30 | 52.6 | - 2.0 | 86 | 4 | 22 | 11† | 44 | 2.46 | - 1.32 | 0.91 | 0 | 9 | ..... | ..... | ..... | w. | Chas. P. Arnold. |
| Appleton..... | Niagara..... | 270 | 22 | 54.2 | - 0.3 | 87 | 3 | 34 | 8† | 36 | 1.79 | - 1.37 | 0.41 | 0 | 7 | 13 | 13 | 5 | nw. | H. A. Van Wagoner. |
| Auburn..... | Cayuga..... | 715 | 44 | 55.7 | - 1.0 | 90 | 4 | 29 | 11 | 36 | 3.29 | - 0.18 | 1.40 | 0 | 5 | 19 | 9 | 3 | n. | A. H. Underwood. |
| Avon..... | Livingston..... | 585 | 18 | 56.0 | - 0.5 | 88 | 4 | 31 | 11 | 35 | 2.52 | - 0.12 | 1.35 | 0 | 7 | 6 | 14 | 11 | ..... | W. G. Markham. |
| Brockport..... | Monroe..... | 537 | 17 | 55.3 | - 0.9 | 87 | 4 | 26 | 11 | 38 | 2.64 | - 0.35 | 0.97 | 0 | 8 | 14 | 9 | 8 | nw. | C. O. Beaman. |
| Buffalo..... | Erie..... | 767 | 62 | 53.7 | - 0.8 | 76 | 4 | 32 | 10 | 26 | 2.48 | - 0.62 | 1.24 | 0 | 10 | 5 | 17 | 9 | sw. | U. S. Weather Bureau. |
| Canton..... | St. Lawrence..... | 448 | 19 | 52.8 | - 3.4 | 87 | 4 | 25 | 15 | 34 | 2.64 | - 0.21 | 1.20 | T. | 12 | 10 | 10 | 11 | sw. | Do. |
| Cape Vincent..... | Jefferson..... | 246 | 8 | 57.8 | ..... | 82 | 4 | 32 | 10† | 33 | 3.51 | ..... | 2.50 | 0 | 6 | 20 | 2 | 9 | n. | J. Harry Grapotte. |
| Chazy..... | Clinton..... | 151 | 13 | 53.4 | - 1.4 | 85 | 2 | 27 | 15 | 40 | 2.36 | - 0.62 | 1.15 | 0 | 8 | 13 | 8 | 10 | n. | W. R. North. |
| Chestnut Lawn..... | Wyoming..... | 1,090 | 1 | 55.1 | ..... | 87 | 4 | 29 | 10† | 39 | 3.51 | ..... | 1.80 | 0 | 10 | 19 | 7 | 5 | w. | Chas. Peterson. |
| Dannemora..... | Clinton..... | 1,490 | 8 | 55.0 | ..... | 91 | 3 | 28 | 10 | 39 | 2.24 | ..... | 1.10 | T. | 8 | 7 | 10 | 14 | w. | Dr. W. N. Thayer. |
| Elba..... | Genesee..... | 500 | 14 | 53.7 | - 1.4 | 84 | 4 | 27 | 10† | 32 | 2.16 | - 0.89 | 1.00 | 0 | 3 | 22 | 3 | 6 | nw. | Joseph S. Wilford. |
| Fayetteville..... | Onondaga..... | 530 | 12 | 55.4 | - 2.9 | 89 | 3 | 25 | 11 | 40 | 2.59 | - 0.41 | 0.72 | 0 | 9 | 13 | 12 | 6 | nw. | Dana H. Wells. |
| Gabriels..... | Franklin..... | 1,729 | 11 | 50.5 | ..... | 90 | 5 | 18 | 15 | 46 | 3.80 | ..... | 1.52 | 0 | 12 | 12 | 5 | 14 | w. | Gabriels Sanitarium. |
| Geneva..... | Ontario..... | 0 | 56.9 | ..... | ..... | 91 | 4 | 30 | 11 | 39 | 2.68 | ..... | 1.09 | 0 | 8 | ..... | ..... | ..... | ..... | Agricultural Exp. Station. |
| Harkness..... | Clinton..... | 622 | 11 | 52.8 | - 2.8 | 85 | 4 | 28 | 15 | 35 | 2.09 | - 0.32 | 0.89 | 0 | 9 | 23 | 3 | 5 | e. | J. W. Harkness. |
| Hemlock Lake..... | Livingston..... | 900 | 15 | 55.6 | - 0.4 | 84 | 4 | 31 | 11 | 30 | 2.09 | - 0.59 | ..... | 0 | 8 | 21 | 6 | 4 | sw. | Bernard P. McGrady. |
| Hunt..... | do..... | 1,321 | 14 | 56.0 | - 0.6 | 90 | 3† | 25 | 11 | 36 | 3.16 | - 0.50 | 1.94 | 0 | 8 | 11 | 14 | 6 | sw. | W. S. Barager. |
| Ithaca..... | Tompkins..... | 928 | 35 | 55.4 | - 1.6 | 89 | 4 | 30 | 11 | 40 | 3.15 | - 0.28 | 1.00 | 0 | 12 | 18 | 7 | 6 | nw. | U. S. Weather Bureau. |
| Keene Valley..... | Essex..... | 1,000 | 15 | 53.0 | - 0.2 | 91 | 4† | 21 | 15 | 49 | 2.62 | - 0.56 | 0.73 | ..... | 15 | 10 | 10 | 11 | nw. | E. R. Wells. |
| King Ferry..... | Cayuga..... | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.85 | - 0.08 | 0.97 | T. | 7 | 11 | 13 | 7 | nw. | Lucius A. Goodyear. |
| Lake George..... | Warren..... | 350 | 16 | 54.1 | - 1.7 | 90 | 2 | 30 | 13† | 39 | 2.68 | - 0.34 | 0.77 | 0 | 9 | 8 | 16 | 7 | n. | Chas. Forsell. |
| Lake Placid Club..... | Essex..... | 1,864 | 5 | 44.7 | ..... | 78 | 5 | 19 | 12 | 39 | 1.85 | ..... | 0.31 | 1.0 | 14 | 16 | 8 | 7 | nw. | Henry van Hovenberg. |
| Lauterbrunnen..... | Wyoming..... | ..... | 1 | 55.6 | ..... | 88 | 4 | 28 | 10† | 37 | 3.57 | ..... | 2.00 | 0 | 9 | 8 | 21 | 2 | w. | James O. Howard. |
| Lockport..... | Niagara..... | 520 | 26 | 54.6 | - 1.4 | 85 | 4 | 31 | 11 | 33 | 2.65 | - 0.19 | 1.32 | 0 | 5 | 16 | 9 | 6 | nw. | Robert N. Clark. |
| Lowville..... | Lewis..... | 900 | 46 | 54.2 | 0.0 | 89 | 4 | 26 | 11 | 39 | 2.38 | - 0.51 | 0.83 | T. | 9 | 12 | 14 | 5 | w. | Prof. W. F. H. Breeze. |
| Motra..... | Franklin..... | 200 | 13 | 52.8 | - 2.2 | 89 | 4 | 22 | 15 | 41 | 2.61 | - 0.52 | 0.90 | 0 | 9 | 9 | 13 | 9 | w. | C. E. McBride. |
| Nehasane..... | Hamilton..... | 1,750 | 5 | 49.8 | ..... | 86 | 4† | 19 | 15 | 46 | 3.54 | ..... | 1.15 | 0.3 | 13 | 12 | 13 | 6 | nw. | L. W. Brown. |
| North Lake..... | Herkimer..... | 1,822 | 12 | 50.4 | ..... | 84 | 5 | 21 | 12 | 45 | 3.75 | ..... | 1.03 | 0 | 8 | 20 | 2 | 9 | w. | John F. Redmond. |
| Ogdensburg..... | St. Lawrence..... | 175 | 29 | 53.4 | - 2.8 | 83 | 4 | 30 | 10 | 42 | 3.51 | + 0.67 | 1.75 | T. | 6 | 12 | 13 | 6 | se. | State Hospital. |
| Old Forge..... | Herkimer..... | 1,733 | 5 | 50.1 | ..... | 86 | 4 | 18 | 12 | 46 | 2.60 | ..... | 0.92 | 0 | 8 | 13 | 6 | 12 | w. | Mrs. S. W. Nelson. |
| Oswego..... | Oswego..... | 335 | 43 | 51.9 | - 2.8 | 82 | 5 | 33 | 10 | 30 | 3.37 | + 0.52 | 1.58 | 0 | 10 | 12 | 9 | 10 | w. | U. S. Weather Bureau. |
| Otto..... | Cattaraugus..... | 1,410 | 9 | ..... | ..... | ..... | ..... | 28 | 12 | 37 | 2.97 | ..... | 1.04 | 0 | 13 | 11 | 12 | 8 | ..... | William J. Winke. |
| Palermo..... | Oswego..... | 460 | 54 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.59 | + 1.10 | 1.57 | 0 | 9 | ..... | ..... | ..... | nw. | W. B. Bartlett. |
| Perry City..... | Schuyler..... | 1,038 | 33 | 52.8 | - 2.5 | 87 | 4 | 25 | 11† | 43 | 2.69 | - 0.55 | 0.83 | 0 | 13 | 10 | 9 | 12 | nw. | W. H. Jeffers. |
| Philadelphia..... | Jefferson..... | 485 | 7 | 54.2 | ..... | 88 | 4 | 26 | 15 | 38 | 3.61 | ..... | 1.27 | T. | 11 | 9 | 16 | 6 | w. | E. D. Babcock. |
| Potsdam..... | St. Lawrence..... | 300 | 37 | 54 | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 4, Lake Region.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|------------------------|---------------|---------------|-----|------|------|------|---|-----|-----|-----|----|-----|-----|------|--------|------|------|------|-----|----|------|--------|-----|-----|-----|------|------|------|------|------|------|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Minnesota. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloquet..... | L. Superior.. | | .02 | .01 | | T. | | T. | T. | | | | .40 | T. | T. | 1.30 | .93 | .10 | | | .90 | .35 | T. | | .15 | | | | | 1.55 | T. | | 5.71 | |
| Duluth..... | do. | .03 | .31 | .11 | | | | T. | | | | .25 | .04 | | | .06 | .91 | .73 | .08 | | | .88 | .24 | .01 | T. | .01 | | T. | | 1.16 | T. | | 4.82 | |
| Floodwood..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Marais..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stephens Mine..... | do. | | .30 | .10 | | | | | T. | | | | .30 | | | 1.70 | | .20 | | | | .18 | | | | | | | | .80 | | | 4.20 | |
| Two Harbors..... | do. | | .10 | .09 | | | | | | | | | | | | 1.50 | .15 | .80 | | | | .18 | .48 | .05 | | T. | | | | .30 | T. | | 3.03 | |
| Virginia..... | do. | T. | .30 | .30 | .03 | | | | | | | T. | .40 | | | 1.32 | .03 | .17 | | | | .03 | .86 | .04 | | .05 | | T. | | .56 | | .02 | 4.11 | |
| Wisconsin. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Appleton..... | Fox..... | | | .02 | .88 | 1.31 | | | .14 | | | | .08 | .40 | .20 | .81 | T. | .22 | | | .48 | .90 | .03 | | T. | | T. | | .57 | 1.59 | | | 7.63 | |
| Ashland..... | L. Superior.. | .03 | .27 | .17 | | | | | | | | | .09 | | | .93 | .53 | .15 | | | 1.20 | .39 | | T. | | | | | | .83 | | | 4.50 | |
| Bayfield..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.50 | |
| Cecil..... | Fox..... | | | T. | 2.04 | .28 | | | T. | | | | | T. | .03 | .85 | T. | | | | .34 | .54 | T. | T. | | T. | | | | 1.02 | T. | | 5.10 | |
| Cornucopia..... | L. Superior.. | .03 | .14 | .11 | | | | T. | | | | | .11 | | | .73 | .84 | .17 | | | .48 | .62 | .30 | | .03 | | | | | .56 | .01 | T. | 4.13 | |
| Crandon..... | Fox..... | | | | .85 | .05 | | | | | | | | | | .35 | T. | .26 | | | 1.20 | .34 | .02 | | T. | | | .03 | | .80 | .35 | | 4.25 | |
| Florence..... | Menomonee.. | | | * | 1.02 | | | | | | | | | | | .42 | | .35 | | | | * 1.01 | .08 | | | | | | | | | | 3.74 | |
| Fond du Lac..... | Fox..... | | T. | .14 | 1.10 | | | | .17 | | | | .10 | .50 | .17 | .40 | | | | | 1.00 | .88 | .05 | | T. | | .38 | | .72 | 2.17 | .05 | | 7.83 | |
| Grand River Locks..... | do. | | .09 | 1.20 | .86 | | | | .20 | | | | .10 | .48 | .20 | .48 | | | | | 1.07 | .73 | | | | | .55 | | T. | .26 | | | 6.22 | |
| Green Bay..... | L. Michigan.. | | T. | 1.17 | .37 | | | | .11 | | | | .04 | .13 | .65 | .36 | .01 | .11 | | T. | 1.02 | .33 | .01 | .01 | .01 | | | .07 | 1.09 | | | | 5.49 | |
| High Falls..... | do. | | T. | .83 | .43 | | | | .30 | | | | .01 | | | .52 | T. | .15 | | | .64 | .62 | T. | T. | .01 | | .01 | | .52 | .51 | | | 4.55 | |
| Iron River..... | L. Superior.. | .05 | .25 | .17 | | | | | | | | | .17 | | | 1.00 | 1.20 | .13 | T. | | .74 | .49 | | | | | | | 1.47 | T. | | | 5.67 | |
| Kewaunee..... | L. Michigan.. | | | .22 | .93 | | | | .12 | | | | T. | .12 | .08 | .65 | | .17 | | | .46 | .68 | .11 | | | | | | | .80 | | | 4.34 | |
| Manitowoc..... | do. | | T. | .47 | .72 | | | | .12 | | | | .02 | .50 | .89 | | | .04 | | | 1.08 | 1.01 | .02 | | | | | | 1.00 | .20 | | | 6.07 | |
| Menasha..... | Fox..... | | T. | 2.08 | .17 | | | | .17 | | | | .04 | .05 | 1.34 | | .18 | | | | 1.09 | .51 | .03 | | | | T. | .40 | | | 1.10 | | 7.16 | |
| Menomonee Falls..... | L. Michigan.. | | .06 | .11 | .68 | .04 | | | .10 | | | | T. | .72 | | .63 | T. | | | | 1.23 | .39 | | | | .98 | | .72 | .60 | T. | | | 6.26 | |
| Milwaukee..... | do. | | .04 | .03 | .83 | | | .02 | | | | | T. | 1.04 | .39 | | | | | T. | 1.05 | .09 | T. | T. | | | 1.12 | .02 | .44 | .58 | T. | | 5.65 | |
| New London..... | Fox..... | | .10 | 1.45 | .20 | | | .20 | | | | | .13 | .15 | * 1.50 | | .18 | | | | .46 | .96 | .05 | | | | | .10 | | 1.40 | | | 6.88 | |
| Oconto..... | L. Michigan.. | | .97 | .60 | .19 | | | .19 | | | | | .03 | | | .83 | | .15 | | | .43 | .61 | .02 | | | | | | | .58 | .23 | | 4.83 | |
| Oshkosh..... | Fox..... | | T. | .35 | 1.30 | | | .15 | | | | | T. | .58 | .84 | | T. | | | | .87 | T. | | | | | .07 | | .08 | 1.44 | | | 5.68 | |
| Pine River..... | do. | | T. | 1.18 | .25 | | | T. | .14 | | | | .07 | .49 | .51 | 1.08 | T. | .23 | | | 1.33 | .28 | .02 | | T. | | .05 | .97 | | 2.04 | .19 | | 8.83 | |
| Plum Island..... | L. Michigan.. | | .88 | .70 | | | | .29 | | | | | .04 | .62 | .05 | .24 | | .11 | | | .15 | .76 | | | | | | | | .23 | | | 3.57 | |
| Plymouth..... | do. | | T. | .05 | .96 | .08 | | .08 | | | | | .05 | .48 | .12 | .30 | | | | | .90 | .39 | | .01 | | | .22 | | .06 | 1.18 | .03 | | 6.01 | |
| Port Washington..... | do. | | .03 | .62 | .22 | | | | | | | | .04 | .62 | .05 | .24 | | | | | .95 | .51 | | | | | .01 | | .15 | 1.20 | | | 5.54 | |
| Racine..... | do. | | .06 | .02 | .35 | .53 | | T. | .03 | | | | T. | .41 | .18 | .33 | | | | | 1.00 | .63 | | T. | .02 | | .15 | | .61 | .29 | .02 | | 5.63 | |
| Ripon..... | Fox..... | | .01 | .46 | 1.53 | | | .13 | | | | | .15 | .47 | .20 | .55 | | | | | 1.00 | .69 | T. | | .01 | | .35 | | .43 | 1.21 | | | 7.17 | |
| Sheboygan..... | L. Michigan.. | | .02 | | .58 | .45 | | .19 | | | | | .09 | .32 | .37 | .69 | | | | | 1.08 | 1.62 | | T. | .01 | | .16 | | T. | 1.16 | T. | .50 | 7.04 | |
| Sturgeon Bay..... | do. | | | .53 | 1.15 | .04 | | .19 | | | | | .06 | T. | .91 | T. | .21 | .03 | | | .35 | .82 | .03 | .06 | .11 | | | | | .35 | .35 | | 5.19 | |
| Superior..... | L. Superior.. | .13 | .18 | | | | | .10 | | | | | .27 | | | 1.03 | .21 | .78 | .04 | | .40 | 1.20 | .08 | | .01 | | | | | 3.03 | .05 | | 7.51 | |
| Waupaca..... | Fox..... | | .01 | 1.96 | .16 | | | | | | | | .32 | .34 | .24 | 1.07 | .04 | .24 | | | .68 | .82 | .06 | | | | .94 | | | 1.65 | | | 8.53 | |
| Illinois. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chicago..... | L. Michigan.. | | T. | T. | .37 | | | T. | .02 | | | | .67 | .06 | | | | T. | | T. | 1.22 | .13 | T. | T. | .03 | .06 | 1.78 | T. | .02 | .02 | | | 4.38 | |
| Highland Park..... | do. | | .32 | T. | 1.72 | | | T. | | | | | .48 | | | | | | | T. | 1.65 | T. | T. | | .18 | T. | 2.37 | .02 | | | | | 6.74 | |
| Indiana. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Auburn..... | Maumee..... | | | | | | | | T. | | | | | .38 | T. | .07 | | | | T. | .23 | .41 | T. | T. | .25 | | 2.30 | | .04 | T. | | | 3.68 | |
| Berne..... | do. | | | | | | | | | | | | | .93 | .01 | | .15 | | | | .38 | .02 | | | .14 | 1.52 | .05 | | | | | | 3.20 | |
| Ft. Wayne..... | Maumee..... | | | | | | | .01 | | | | | | .28 | .23 | .01 | | .32 | | | .04 | .86 | | | | T. | 1.98 | | | .04 | | | 3.77 | |
| Hammond..... | L. Michigan.. | | | T. | .30 | .10 | | T. | | | | | | .90 | .12 | | | | T. | | .55 | .81 | .02 | | | .05 | 2.00 | .32 | T. | T. | | | 5.17 | |
| Howe..... | St. Joseph.. | | | | .06 | | | | | | | | | .18 | | | .58 | .02 | | | .10 | .52 | .40 | .10 | | .15 | .40 | 1.50 | | .10 | | | 4.21 | |
| Notre Dame..... | do. | | | .33 | | | | | T. | | | | | .47 | .01 | .42 | | .05 | | | .26 | .47 | .01 | | | .01 | 2.75 | | | .02 | | | 4.80 | |
| Whiting..... | L. Michigan.. | | | .22 | | | | .01 | | | | | | .10 | .94 | .22 | | .02 | | | 1.63 | .01 | T. | | .11 | | 2.31 | | .02 | | | | T. | 5.59 |
| Michigan. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baraga..... | Lake Sup..... | .10 | | | | | | | | | | | .10 | | | .30 | .10 | | | | .10 | .10 | | | | | | .20 | | .30 | | | 1.30 | |
| Bergland..... | Ontonagon.. | T. | .11 | T. | | | | | | | | | (T. | | | .50 | T. | .51 | | | .55 | .30 | T. | | T. | | | | .95 | .13 | | | 3.05 | |
| Cahmet..... | Lake Sup..... | .08 | .02 | .04 | | | | T. | | | | | .31 | | | .76 | .08 | .80 | | | T. | .50 | .10 | | .01 | | T. | T. | .02 | .23 | | | 2.95 | |
| Chatham..... | do. | | | .01 | | | | | | .60 | | | | | | 1.00 | | | | | | .50 | | | | | | | | | | | 2.31 | |
| Deer Park..... | do. | | | .12 | T. | T. | | | | | | | .30 | | | T. | T. | | | | | .20 | .40 | | | | | | | | | | 1.02 | |
| Detour..... | St. Marys.. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eagle Harbor..... | Lake Sup..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Escanaba..... | Lake Mich.. | T. | | .90 | .35 | | | .20 | | | | | .16 | | .08 | .26 | .01 | .04 | | | .26 | .63 | T. | | T. | | T. | | | .38 | .01 | | 3.28 | |
| Ewen..... | Ontonagon.. | .09 | T. | .07 | | | | | | | | | .28 | | | .38 | .06 | .58 | | | .36 | .20 | .02 | | T. | T. | T. | | | .83 | .05 | .05 | 2.97 | |
| Grand Marais..... | Lake Sup..... | | | .40 | .15 | | | .05 | | | | | .60 | | | .05 | .05 | | | | T. | .80 | .13 | | | | | | | | | | 2.23 | |
| Green..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Houghton..... | do. | T. | .07 | .03 | .04 | | | | T. | | | | .18 | | | .70 | .33 | .49 | | | .20 | .33 | .05 | | T. | | | .12 | T. | .34 | T. | T. | 2.88 | |
| Humboldt..... | Escanaba.. | | | T. | .10 | | | | | | | | T. | | | .31 | | 1.12 | | | | .46 | T. | | T. | | | .15 | | .43 | T. | | 2.57 | |
| Iron Mountain..... | Menominee.. | | | .78 | | | | T. | | | | | | .57 | T. | .06 | | | | | .40 | .65 | .03 | | .04 | | | | T. | .17 | .46 | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 4—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|----------------------------|-----------------|---------------|-----|-----|-----|------|-----|-----|-----|-----|----|----|-----|-----|-----|------|------|------|-----|-----|-----|------|------|-----|-----|-----|------|------|-----|-----|-----|------|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Lower Peninsula—Continued. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Battle Creek. | Kalamazoo. | | | | | .22 | | | | | | | | | .62 | .21 | .32 | T. | T. | | T. | .20 | .28 | T. | T. | .05 | .08 | .92 | | .18 | .18 | | 3.26 |
| Bay City. | Saginaw. | | | .04 | .20 | | | | | | | | .03 | .07 | | .20 | | | | | | .04 | | | | | | | | | | | 0.58 |
| Benzonia. | Beusey. | | .05 | .08 | .46 | .14 | | .06 | | | | | | | | .05 | .39 | T. | T. | | .47 | 1.20 | T. | T. | .07 | | | | | T. | .09 | | 3.06 |
| Big Rapids. | Muskegon. | | | | .30 | | | | | | | | | | .08 | .85 | | | | | .26 | .23 | | | | | | | .04 | .38 | | 2.14 | |
| Blissfield. | Raisin. | | | | | | | | .05 | | | | | | .22 | .95 | .65 | T. | T. | | | .26 | 1.10 | .12 | | | .80 | 1.42 | | .13 | .20 | | 5.90 |
| Bloomington. | Lake Mich. | | | .15 | .06 | | | | .03 | | | | .12 | .16 | .02 | | | T. | .15 | .16 | | .15 | .16 | .02 | T. | | .61 | .04 | | .39 | | 2.22 | |
| Cadillac. | Manistee. | | | | .54 | | | | | | | | | | | .80 | | | | | .21 | .45 | | | | | | | | .16 | | 2.16 | |
| Cassopolis. | St. Joseph. | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.07 | |
| Charlevoix. | Lake Mich. | | | .23 | .30 | | | .32 | | | | | | | | .27 | | | | | | .95 | | | | | | | | | | | 2.47 |
| Charlotte. | Kalamazoo. | | | | .15 | | | | | | | | | | | 2.60 | | | | | | .72 | | | | .39 | .38 | .10 | | .38 | | 4.72 | |
| Cheboygan. | Cheboygan. | | | .35 | .25 | | | .25 | T. | | | | T. | .20 | | .52 | | T. | | | | .80 | .10 | | | | | | | | | | 2.47 |
| Clinton. | Raisin. | | | | | | | | | | | | | | .56 | .99 | .19 | | | | | .51 | .36 | | | .05 | .61 | 1.24 | | .14 | .05 | 4.69 | |
| Coldwater. | St. Joseph. | | | T. | .07 | .32 | | | | | | | | | .43 | .27 | .18 | | | | | .55 | .26 | T. | | | | .80 | .66 | | .35 | | 3.54 |
| Croton. | Muskegon. | | | | | | | | | | | | | | .15 | .16 | .52 | | | | .22 | .21 | T. | | .01 | T. | | | | .14 | T. | | 1.79 |
| Detroit. | Detroit. | | | | | | | | .02 | | | | T. | .30 | .23 | 1.32 | | | | | | 1.19 | | | | T. | | .53 | .89 | | T. | .08 | 4.57 |
| Durand. | Saginaw. | | | .05 | | | | | | T. | | | | | | .66 | | | | .10 | | | | | | | | | | | | | 1.32 |
| East Tawas. | Lake Huron. | | | .25 | .60 | | | | | | | | .05 | | | .35 | | | | | | .07 | | | | | | | | | | | 6.08 |
| Eloise. | Rouge. | | | | | | | | | | | | | | .05 | .56 | 1.96 | .19 | T. | | | 1.05 | .17 | .03 | | .01 | .26 | 1.53 | | T. | .27 | | 1.14 |
| Five Channels. | Au Sable. | | | .13 | .31 | | | | | | | | .06 | .06 | | .32 | | | | .10 | | .03 | .13 | | | | | | | | | | 3.16 |
| Flint. | Saginaw. | | | | .10 | | | | | | | | | | .04 | .14 | .30 | 1.50 | .10 | | | .20 | .23 | .15 | | .05 | | .10 | | | .25 | | 3.20 |
| Frankfort. | Beusey. | | | .70 | | | | | | | | | | | | .53 | | | | | .47 | 1.20 | | | | | | | | | | | 2.96 |
| Ganges. | Lake Mich. | | | .34 | .03 | | | | | | | | | | .29 | .39 | | | .01 | | .41 | .31 | | | | .04 | 1.13 | .01 | | | | | 1.86 |
| Gaylord. | Cheboygan. | | | | .49 | | | .12 | | | | | | | .12 | | .29 | .04 | | | | .79 | .01 | | | | | | | | | | 2.60 |
| Gladwin. | Saginaw. | | | | T. | 1.20 | | | | | | | T. | | | 1.40 | | | | | | | | | | | | | | | | | 2.13 |
| Grand Haven. | Grand. | | .02 | T. | .26 | | | | T. | | | | .37 | .29 | | | | | T. | | .56 | .01 | T. | T. | .01 | | .18 | | | .43 | | | 1.76 |
| Grand Rapids. | do. | | T. | T. | .34 | | | | T. | | | | .37 | .11 | .01 | | | | | | .22 | .01 | T. | T. | .06 | | .19 | | | .45 | | | 5.58 |
| Grape. | Raisin. | | | | | | | | .90 | | | | | | .55 | .73 | .26 | .02 | | | | 1.07 | .26 | | | .01 | .55 | 1.13 | | .02 | .08 | | 4.99 |
| Grass Lake. | Grand. | | | | T. | | | | | | | | | | .86 | 1.35 | .68 | T. | | | .40 | .18 | | | | .08 | .65 | .46 | | .18 | .15 | | 2.05 |
| Grayling. | Au Sable. | | | .26 | .09 | | | .18 | | | | | | | .24 | | | | | | .33 | .67 | T. | T. | T. | | | | T. | | | | 0.87 |
| Greenville. | Grand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.09 |
| Harbor Beach. | Lake Huron. | | | | .10 | | | | | | | | | | | .12 | .05 | .55 | | | | | .05 | | | | | | | | | | 1.63 |
| Harrison. | Saginaw. | | | | .42 | | | | | | | | | | .07 | | .33 | .03 | | | .10 | .11 | | | | | | | | | | | 3.44 |
| Harrisville. | Lake Huron. | | | .18 | .46 | | | | | | | | .13 | .07 | | .33 | .03 | | | | .03 | .24 | .02 | .02 | .12 | | | | | | | | 1.64 |
| Hart. | Pentwater. | | .03 | .27 | .46 | | | | | | | | | | .32 | .15 | .95 | | | | .36 | .45 | .05 | | | | .10 | | | .25 | .05 | | 3.97 |
| Hayes. | Pigeon. | | | T. | .27 | | | | | | | | | | .12 | | .75 | | | | | .09 | .30 | .11 | | | | | | | | | 3.74 |
| Highland. | Huron. | | | | | | | | | | | | | | .26 | 1.65 | .34 | | | | | .82 | | | | .15 | | .60 | | | .15 | | 2.46 |
| Hillsdale. | St. Joseph. | | | | | | | | T. | | | | .05 | .16 | .96 | .35 | T. | | | | T. | .26 | .03 | T. | | | 1.20 | .47 | | .26 | | | 1.64 |
| Holland. | Lake Mich. | | | .16 | .06 | | | | | | | | | | .30 | .40 | .16 | | .02 | | .19 | .30 | | | | .01 | .43 | .01 | | .42 | | | 4.97 |
| Houghton Lake. | Au Sable. | | | .10 | .35 | | | .01 | | | | | .02 | | | .75 | | | | | .07 | .34 | | | | | | | | | | | 2.50 |
| Howell. | Saginaw. | | | | | | | | | | | | | | .06 | .44 | 1.50 | .65 | .05 | | | 1.05 | T. | T. | | | .65 | .35 | | .22 | | | 4.22 |
| Ivan. | Manistee. | | | .27 | .35 | | | | T. | | | | | | | .55 | | | | | .21 | 1.00 | T. | | .02 | | | | | | | | 2.23 |
| Jackson. | Grand. | | | .04 | T. | | | | | | | | | | .81 | 1.28 | .17 | | .14 | | | .32 | .06 | | .03 | | .56 | .45 | | .32 | .04 | | 2.20 |
| Jeddo. | St. Clair. | | | | | | | | | | | | .09 | .02 | .93 | .30 | | | | | | .47 | .44 | T. | | | | | | | | | 3.18 |
| Johannesburg. | Cheboygan. | | | .20 | .40 | | | | T. | | | | .10 | | .50 | .30 | | .15 | | | T. | 1.15 | T. | T. | T. | | | 1.15 | | .38 | | | 2.32 |
| Kalamazoo. | Kalamazoo. | | | .15 | | | | | | | | | | | .01 | .29 | .30 | .27 | .08 | | | .18 | | | .05 | .01 | | .23 | .01 | .09 | .48 | | 2.22 |
| Lansing (Agr. Col.). | do. | | | | .21 | .01 | | | | | | | | | .01 | .35 | .35 | .14 | | .13 | | | .22 | | .03 | .03 | | | | | | | 3.12 |
| Lansing (capitol). | do. | | | | .26 | | | | | | | | | | .01 | .35 | .35 | .14 | | .13 | | | .22 | | .03 | .03 | | | | | | | 2.93 |
| Lapeer. | Saginaw. | | | | | | | | | | | | | | .30 | 1.00 | .60 | .14 | | | | .14 | .47 | | | | | | | | | | 2.53 |
| Ludington. | Pere Marquette. | | T. | .02 | .54 | .07 | | .01 | | | | | | | .32 | .46 | .15 | | | | .79 | .14 | .06 | | .01 | | | | | .18 | .18 | | 2.53 |
| Luther. | Manistee. | | | T. | .11 | .29 | | .03 | | | | | | | .34 | .03 | .63 | | | | | .16 | .40 | | .03 | | | | | .16 | .35 | | 2.21 |
| Mackinaw. | Lake Huron. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.40 |
| Mancelona. | Lake Mich. | | | | .80 | | | | | | | | .60 | | | | | | | | .11 | .70 | | | | | | | | | | | 5.05 |
| Manistee. | Manistee. | | | | | | | | | | | | | | | | | | | | .53 | 1.33 | T. | | T. | | | | | .20 | | | 3.02 |
| Marshall. | Kalamazoo. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.83 |
| Midland. | Saginaw. | | | | | T. | .20 | | T. | | | | T. | T. | | 1.00 | .20 | | | | | T. | T. | T. | T. | | | | | | | | 3.97 |
| Morenci. | Maumee. | | | | | | | | | .05 | | | | | .24 | .02 | 1.18 | .02 | | | .35 | | .24 | | | | 1.37 | 1.32 | | .24 | .02 | | 2.54 |
| Mount Clemens. | Clinton. | | | | | | | | | | | | | | T. | T. | 1.02 | .15 | T. | | .25 | T. | T. | T. | T. | T. | T. | 1.10 | | .50 | | | 2.91 |
| Mount Pleasant. | Saginaw. | | | .13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 4—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|-----------------------|--------------------|---------------|---|---|---|-----|-----|-----|----|-----|-----|----|----|----|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|------|--------|-----|-----|-----|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Ohio—Continued. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hillhouse..... | Lake Erie..... | | | | | | | | | .08 | | | | | .06 | .44 | .91 | | .03 | | | .13 | .27 | | T. | .06 | .19 | .75 | .07 | | .07 | | 3.06 | |
| Hiram..... | do..... | | | | | | | | | | | | | T. | .72 | .75 | | | | | .12 | .31 | T. | | .02 | .32 | .60 | .01 | | | | | 2.85 | |
| Hudson..... | do..... | | | | | | | | | .06 | | | | | * | * | 1.00 | | | | | .04 | .40 | .05 | | | .52 | .80 | .03 | | .41 | | 3.31 | |
| Lima II..... | Maumee..... | | | | | | | | | T. | | | | | .56 | T. | .08 | | .05 | | | | .75 | | | T. | .10 | 1.87 | T. | | | | 3.41 | |
| Medina..... | Lake Erie..... | | | | | | | | | .06 | | | | | .06 | .13 | .39 | .41 | | | | .12 | .12 | .05 | | .04 | .51 | .62 | | T. | .32 | | 2.83 | |
| Montpelier..... | Maumee..... | | | | | | | | | T. | | | | | .30 | .11 | .31 | | | | | .99 | | T. | | .05 | 1.60 | .86 | | | .34 | | 4.56 | |
| Napoleon..... | do..... | | | | | | | .05 | | | | | | | .05 | .40 | | | | | .35 | .48 | | .15 | .09 | .08 | 2.54 | | | | | | 4.19 | |
| New Bremen..... | do..... | | | | | | T. | | | T. | | | | | .01 | .90 | | T. | | T. | | .63 | | | | .01 | .47 | .24 | | T. | | | 2.26 | |
| North Royalton..... | Lake Erie..... | | | | | | | | | | | | | | .20 | .75 | .65 | | | | | | | | | | .86 | .54 | | | .45 | | 3.45 | |
| Norwalk II..... | do..... | | | | | | | | | .05 | | | | | .10 | 1.20 | .25 | | | | | .11 | .40 | | | .01 | 1.62 | .22 | | | .20 | | 4.16 | |
| Oberlin..... | do..... | | | | | | T. | | | | | | | | .10 | .14 | .70 | | | | | .04 | .18 | | | | .57 | 1.05 | | T. | .02 | | 2.80 | |
| Ottawa..... | Maumee..... | | | | | | T. | | | T. | | | | | .20 | T. | | | .07 | | | .62 | 1.25 | T. | | | 1.01 | 1.25 | | .21 | .02 | | 4.63 | |
| Sandusky..... | Lake Erie..... | | | | | | T. | | | .06 | | | | | .02 | .74 | .61 | | .14 | | | .45 | .58 | T. | | .02 | 1.17 | .89 | | .01 | | | 4.69 | |
| Tiffin..... | Sandusky..... | | | | | | .02 | | | .05 | | | | | T. | .07 | .76 | .05 | T. | | | .17 | 1.24 | .04 | | T. | 1.15 | 1.09 | | .11 | .02 | | 4.77 | |
| Toledo..... | Maumee..... | | | | | | | | | .10 | | | | | .12 | 1.43 | .89 | T. | .03 | | | .89 | T. | .05 | | | 2.24 | 1.38 | | .26 | | T. | 7.39 | |
| Upper Sandusky..... | Sandusky..... | | | | | | T. | | | T. | | | | | .15 | .45 | .33 | | .07 | .01 | | .35 | .55 | T. | | .60 | 2.00 | .75 | | .25 | T. | | 5.43 | |
| Vickery..... | Lake Erie..... | | | | | | T. | | | .09 | | | | | .23 | 2.56 | .03 | | .07 | .01 | | .28 | 1.84 | .02 | | .01 | .81 | 1.73 | | .23 | .03 | | 7.94 | |
| Wapakoneta..... | Maumee..... | | | | | | T. | | | T. | | | | | .04 | .70 | .02 | | .03 | | | .25 | .22 | T. | | .12 | .65 | .30 | | .08 | .02 | | 2.43 | |
| Wauseon..... | do..... | | | | | | | | | .10 | T. | | | | .28 | .35 | .08 | | .07 | | | .58 | .33 | | .09 | .02 | .09 | 2.68 | | .10 | .16 | | 4.95 | |
| Wickliffe II..... | Lake Erie..... | | | | | | | | | .25 | | | | | | .35 | .76 | | | | | .06 | .47 | | | .03 | .36 | .59 | | | .13 | | 3.00 | |
| Pennsylvania. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erie..... | Lake Erie..... | | | | | | | | | .01 | | | | | .14 | .02 | .61 | .01 | .01 | .09 | | | .82 | .10 | | T. | .02 | .08 | .74 | .02 | | .01 | 2.68 | |
| New York. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adams Center..... | L. Ontario..... | | | | | | T. | | | | T. | | | | | .18 | | .30 | | | | T. | .65 | T. | .04 | | .40 | .91 | .03 | | | | 2.51 | |
| Angela..... | Genesee..... | | | | | | | | | | | | | | .07 | .20 | .13 | | | | | .22 | .35 | .29 | .03 | | .26 | .91 | | | | | 2.46 | |
| Appleton..... | L. Ontario..... | | | | | | | | | | | | | | .01 | .28 | | .35 | | | | .21 | .39 | | | | .41 | .14 | | | | | 1.79 | |
| Auburn..... | Oswego..... | | | | | T. | | | | | | | | | | T. | | T. | | | | T. | 1.40 | .52 | | .09 | .46 | .82 | | | | | 3.29 | |
| Avon..... | Genesee..... | | | | | | | | | | | | | | | T. | .08 | .16 | | | | .06 | .23 | .10 | T. | T. | .54 | 1.35 | | | | | 2.52 | |
| Brockport..... | L. Ontario..... | | | | | | | | | | | | | | T. | .01 | .13 | | | | | .03 | .95 | .02 | | | .52 | .97 | | | | | 2.64 | |
| Buffalo..... | Lake Erie..... | | | | | | | | | | | | | | .10 | .03 | .01 | .11 | | | | .37 | .53 | .05 | .01 | .03 | 1.24 | T. | | | | | 2.48 | |
| Canton..... | Grass..... | | | | | | .02 | | T. | T. | T. | | | | .06 | .03 | .28 | .01 | .45 | T. | | T. | .50 | .02 | .01 | .01 | .42 | .83 | | | | | 2.64 | |
| Cape Vincent..... | St. Lawrence..... | | | | | | | | | | | | | | | .33 | .16 | | | | | .05 | .40 | | | | 2.50 | .07 | | | | | 3.51 | |
| Chazy..... | Champlain..... | | | | | | | | | | | | | | .03 | .20 | | .10 | .02 | | | .55 | | | | | .08 | 1.15 | .23 | | | | 2.36 | |
| Chestnut Lawn..... | Genesee..... | | | | | | | | | | | | | | .06 | .04 | .15 | | | | .06 | .63 | .28 | .06 | .03 | | .40 | 1.80 | | | | | 3.51 | |
| Dannemora..... | Champlain..... | | | | | | T. | | | T. | T. | | | | | .04 | T. | .05 | | | | .15 | T. | .05 | .15 | .10 | .60 | 1.10 | | | | | 2.24 | |
| Elba..... | L. Ontario..... | | | | | | | | | | | | | | T. | T. | | T. | | | | T. | 1.00 | | | | .41 | .75 | | | | | 2.16 | |
| Fayetteville..... | Oswego..... | | | | | T. | | | | | | | | | .02 | T. | .33 | .04 | | | | .03 | .46 | .63 | .02 | | .34 | .72 | | | | | 2.59 | |
| Gabriels..... | St. Regis..... | | | | | | | | | T. | | | | | .10 | .30 | | .13 | .09 | | | .50 | .18 | .06 | | .01 | 1.52 | .80 | .10 | | .01 | | 3.80 | |
| Geneva..... | Oswego..... | | | | | | | | | | | | | | .03 | T. | .19 | | | | | .49 | .51 | .09 | | T. | .24 | 1.09 | .04 | | | | 2.68 | |
| Harkness..... | L. Champl'n..... | | | | | | | | | | | | | | | .34 | .08 | | | | | .26 | .03 | .16 | .03 | | .16 | .89 | .14 | | | | 2.09 | |
| Hemlock Lake..... | Genesee..... | | | | | | T. | | | | | | | | T. | .06 | .15 | | | | | .03 | .76 | T. | | .03 | * | * 1.06 | | | | | 2.09 | |
| Hunt..... | do..... | | | | | | | | | | | | | | .05 | .06 | .15 | | | | | .70 | .22 | .02 | .02 | | 1.94 | | | | | | 3.16 | |
| Ithaca..... | Oswego..... | | | | | .13 | T. | | | .02 | | | | | T. | .05 | .06 | .13 | | | | .05 | .50 | .70 | .07 | .01 | .52 | .91 | | | | | 3.15 | |
| Keene Valley..... | Ausable..... | | | | | | .11 | | | | | | | | T. | .04 | .06 | .19 | T. | .02 | .06 | | .03 | .09 | .15 | .14 | .64 | .12 | .73 | .14 | | | 2.62 | |
| King Ferry..... | Oswego..... | | | | | | | | | | | | | | T. | T. | .11 | .13 | | | | .03 | .54 | .67 | .04 | | .46 | .97 | | | | | 2.85 | |
| Lake George..... | L. Champl'n..... | | | | | | | | | | | | | | T. | T. | .11 | .13 | | | | .40 | .77 | .26 | .11 | | .26 | .52 | .12 | | | | 2.68 | |
| Lake Placid Club..... | Ausable, W. B..... | | | | | | T. | | | .08 | .15 | | | | .16 | | .31 | .05 | .10 | .12 | | .06 | .10 | | .19 | .11 | .16 | .15 | .11 | | | | 1.85 | |
| Lauterbrunnen..... | Genesee..... | | | | | | | | | | | | | | .05 | .04 | .16 | | | | | .04 | .64 | .18 | .01 | | .45 | 2.00 | | | | | 3.57 | |
| Lockport..... | L. Ontario..... | | | | | | | | | | | | | | T. | T. | | .36 | | | | T. | 1.32 | | | .04 | .88 | .05 | | | | | 2.65 | |
| Lowville..... | Black..... | | | | | | | | T. | | | | | | .07 | | .05 | .03 | | | | .01 | .83 | .28 | | | .42 | .57 | .12 | | | | 2.38 | |
| Moirs..... | St. Lawrence..... | | | | | | .70 | | | T. | | | | | T. | T. | | .35 | .02 | .22 | | .01 | .35 | .03 | | T. | T. | .03 | .90 | T. | | | 2.61 | |
| Nehasane..... | Black..... | | | | | | | | | .01 | .02 | T. | | | .09 | .06 | | | .08 | | | | .98 | .09 | .02 | | .35 | 1.15 | .04 | | | | 3.54 | |
| North Lake..... | do..... | | | | | | | | | | | | | | .10 | | .32 | .50 | | | | .77 | .42 | .09 | | | .52 | .03 | T. | | | | 3.75 | |
| Ogdensburg..... | St. Lawrence..... | | | | | | | | | T. | T. | | | | T. | | .25 | .60 | | | | T. | .52 | | .04 | | .35 | 1.75 | | | T. | | 3.51 | |
| Old Forge..... | Black..... | | | | | | | | | | | | | | .05 | .29 | .03 | | | | | .70 | .25 | .05 | | | .34 | .92 | | | | | 2.60 | |
| Oswego..... | L. Ontario..... | | | | | | | | | T. | | | | | .01 | .01 | .08 | .25 | | | | .08 | 1.11 | .10 | T. | .05 | .95 | .73 | | | T. | | 3.37 | |
| Otto..... | Lake Erie..... | | | | | | | | | | | | | | | .02 | .28 | .13 | | | | .36 | .15 | .06 | | .09 | .59 | 1.04 | | | .08 | | 2.97 | |
| Palermo..... | L. Ontario..... | | | | | | | | | | | | | | .10 | | | .27 | | | | .52 | .70 | .05 | .10 | | .24 | 1.57 | .04 | | | | 3.59 | |
| Perry City..... | Oswego..... | | | | | | .02 | .06 | | | | | | | .02 | .10 | | .08 | | | | .09 | .41 | .67 | .07 | .02 | .30 | .83 | | | | | 2.69 | |
| Philadelphia..... | St. Lawrence..... | | | | | | | | | .05 | T. | | | | .07 | | .39 | | .35 | .03 | | | .67 | .03 | .02 | | .09 | .53 | .27 | .13 | | | | 3.61 |
| Potsdam..... | Raquette..... | | | | | | | .02 | | .04 | | | | | .03 | .14 | | .22 | .32 | .25 | | | | | | | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 4.

| Date. | Duluth, Minn. | | Wisconsin. | | | | | | Chicago, Ill. | | Fort Wayne, Ind. | | Upper Michigan. | | | | | | | | | | Lower Michigan. | | | | | |
|--------|---------------|------|------------|------|------------|------|------------|------|---------------|------|------------------|------|-----------------|------|-------|------|-----------|------|------------|------|-------------------|------|-----------------|------|---------------|------|-----------|------|
| | | | Florence. | | Green Bay. | | Milwaukee. | | | | | | Escanaba. | | Ewen. | | Houghton. | | Marquette. | | Sault Ste. Marie. | | Alpena. | | Battle Creek. | | Cadillac. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 77 | 45 | 83 | 53 | 82 | 57 | 83 | 56 | 83 | 57 | 81 | 51 | 61 | 44 | 83 | 56 | 81 | 48 | 87 | 65 | 82 | 41 | 87 | 48 | 81 | 42 | 78 | 52 |
| 2.... | 45 | 33 | 83 | 53 | 82 | 60 | 83 | 61 | 85 | 62 | 84 | 57 | 63 | 44 | 75 | 40 | 52 | 39 | 73 | 37 | 78 | 44 | 88 | 58 | 85 | 49 | 78 | 55 |
| 3.... | 54 | 32 | 75 | 43 | 72 | 64 | 74 | 57 | 81 | 59 | 81 | 62 | 67 | 41 | 70 | 48 | 63 | 38 | 80 | 37 | 79 | 46 | 83 | 64 | 83 | 56 | 75 | 59 |
| 4.... | 48 | 38 | 66 | 47 | 64 | 49 | 78 | 60 | 80 | 65 | 82 | 62 | 54 | 45 | 58 | 43 | 56 | 40 | 55 | 39 | 62 | 47 | 82 | 56 | 82 | 60 | 73 | 59 |
| 5.... | 62 | 39 | 61 | 49 | 60 | 50 | 68 | 56 | 72 | 53 | 83 | 63 | 61 | 45 | 61 | 47 | 59 | 40 | 62 | 43 | 67 | 40 | 77 | 52 | 75 | 65 | 72 | 57 |
| 6.... | 58 | 32 | 58 | 38 | 60 | 41 | 59 | 45 | 61 | 48 | 66 | 50 | 54 | 35 | 52 | 31 | 46 | 31 | 49 | 31 | 45 | 32 | 61 | 37 | 68 | 52 | 59 | 43 |
| 7.... | 51 | 32 | 60 | 27 | 58 | 36 | 48 | 40 | 55 | 45 | 62 | 43 | 44 | 30 | 58 | 25 | 54 | 31 | 47 | 29 | 52 | 29 | 47 | 32 | 64 | 37 | 59 | 30 |
| 8.... | 52 | 31 | 57 | 25 | 57 | 42 | 63 | 43 | 68 | 49 | 70 | 42 | 52 | 33 | 61 | 35 | 47 | 32 | 48 | 32 | 44 | 35 | 50 | 38 | 64 | 40 | 54 | 41 |
| 9.... | 54 | 29 | 56 | 25 | 47 | 35 | 50 | 36 | 50 | 40 | 60 | 41 | 43 | 29 | 60 | 20 | 45 | 30 | 38 | 30 | 35 | 31 | 42 | 31 | 59 | 43 | 49 | 28 |
| 10.... | 51 | 36 | 59 | 26 | 53 | 31 | 47 | 34 | 45 | 38 | 52 | 33 | 50 | 30 | 58 | 28 | 54 | 31 | 51 | 32 | 45 | 31 | 51 | 28 | 55 | 29 | 52 | 24 |
| 11.... | 57 | 36 | 64 | 29 | 59 | 36 | 50 | 37 | 52 | 41 | 62 | 34 | 51 | 36 | 65 | 41 | 61 | 33 | 67 | 36 | 58 | 28 | 53 | 31 | 63 | 31 | 62 | 29 |
| 12.... | 69 | 48 | 64 | 42 | 69 | 44 | 69 | 43 | 74 | 48 | 69 | 40 | 64 | 44 | 63 | 39 | 62 | 42 | 67 | 44 | 55 | 38 | 62 | 41 | 69 | 40 | 59 | 40 |
| 13.... | 50 | 34 | 59 | 37 | 55 | 44 | 62 | 41 | 68 | 48 | 77 | 53 | 52 | 36 | 56 | 30 | 48 | 35 | 47 | 34 | 43 | 36 | 59 | 38 | 74 | 49 | 60 | 44 |
| 14.... | 35 | 31 | 56 | 31 | 48 | 40 | 48 | 38 | 57 | 46 | 61 | 50 | 50 | 34 | 52 | 30 | 38 | 33 | 38 | 33 | 54 | 33 | 45 | 35 | 60 | 50 | 57 | 31 |
| 15.... | 42 | 31 | 49 | 36 | 70 | 42 | 75 | 42 | 79 | 50 | 82 | 49 | 44 | 39 | 49 | 37 | 43 | 35 | 44 | 35 | 46 | 38 | 44 | 39 | 80 | 47 | 59 | 39 |
| 16.... | 53 | 38 | 69 | 39 | 64 | 44 | 56 | 46 | 59 | 50 | 65 | 49 | 52 | 40 | 68 | 39 | 61 | 39 | 50 | 42 | 57 | 40 | 59 | 41 | 66 | 49 | 71 | 42 |
| 17.... | 59 | 40 | 59 | 47 | 64 | 45 | 71 | 52 | 71 | 55 | 77 | 47 | 62 | 44 | 57 | 35 | 55 | 38 | 61 | 45 | 57 | 41 | 68 | 43 | 72 | 46 | 65 | 51 |
| 18.... | 54 | 34 | 55 | 37 | 59 | 44 | 63 | 49 | 60 | 52 | 65 | 50 | 57 | 39 | 52 | 40 | 49 | 38 | 52 | 40 | 45 | 36 | 59 | 39 | 63 | 49 | 56 | 43 |
| 19.... | 48 | 34 | 59 | 30 | 54 | 41 | 53 | 43 | 56 | 46 | 67 | 46 | 53 | 35 | 56 | 26 | 50 | 35 | 43 | 38 | 45 | 35 | 60 | 33 | 65 | 41 | 59 | 33 |
| 20.... | 41 | 35 | 55 | 36 | 47 | 42 | 52 | 41 | 62 | 48 | 71 | 51 | 51 | 41 | 48 | 31 | 48 | 36 | 47 | 35 | 56 | 32 | 52 | 36 | 62 | 51 | 50 | 40 |
| 21.... | 42 | 35 | 48 | 40 | 54 | 46 | 69 | 47 | 76 | 55 | 78 | 54 | 47 | 41 | 48 | 37 | 42 | 38 | 44 | 37 | 51 | 45 | 47 | 42 | 75 | 50 | 60 | 44 |
| 22.... | 57 | 42 | 49 | 39 | 59 | 52 | 46 | 55 | 47 | 57 | 50 | 63 | 51 | 47 | 44 | 54 | 38 | 48 | 37 | 50 | 45 | 50 | 43 | 53 | 51 | 58 | 45 | 42 |
| 23.... | 66 | 44 | 67 | 42 | 64 | 45 | 60 | 46 | 56 | 48 | 55 | 46 | 62 | 44 | 68 | 31 | 65 | 40 | 56 | 44 | 61 | 40 | 59 | 45 | 57 | 47 | 57 | 42 |
| 24.... | 54 | 33 | 61 | 35 | 62 | 41 | 74 | 39 | 72 | 46 | 70 | 42 | 57 | 35 | 57 | 33 | 48 | 31 | 56 | 34 | 63 | 35 | 66 | 41 | 69 | 41 | 64 | 40 |
| 25.... | 38 | 32 | 61 | 30 | 50 | 38 | 46 | 38 | 46 | 41 | 70 | 53 | 49 | 32 | 62 | 27 | 50 | 28 | 37 | 32 | 53 | 29 | 46 | 35 | 55 | 47 | 60 | 36 |
| 26.... | 54 | 33 | 66 | 31 | 54 | 40 | 47 | 40 | 55 | 44 | 55 | 46 | 55 | 40 | 70 | 33 | 60 | 32 | 54 | 32 | 58 | 31 | 50 | 32 | 52 | 40 | 55 | 35 |
| 27.... | 76 | 42 | 70 | 36 | 72 | 39 | 66 | 42 | 62 | 47 | 67 | 48 | 55 | 39 | 76 | 45 | 73 | 42 | 71 | 48 | 68 | 33 | 59 | 39 | 70 | 40 | 70 | 36 |
| 28.... | 59 | 42 | 74 | 36 | 74 | 55 | 72 | 60 | 76 | 59 | 79 | 48 | 67 | 43 | 77 | 40 | 65 | 43 | 62 | 41 | 66 | 42 | 72 | 51 | 80 | 45 | 75 | 47 |
| 29.... | 51 | 40 | 78 | 43 | 61 | 52 | 60 | 47 | 72 | 51 | 71 | 57 | 58 | 50 | 65 | 49 | 55 | 48 | 64 | 44 | 72 | 40 | 59 | 44 | 63 | 46 | 64 | 50 |
| 30.... | 73 | 45 | 71 | 52 | 74 | 53 | 66 | 50 | 68 | 57 | 78 | 58 | 61 | 52 | 65 | 52 | 62 | 47 | 63 | 49 | 64 | 41 | 64 | 51 | 69 | 55 | 71 | 52 |
| 31.... | 81 | 53 | 80 | 43 | 75 | 54 | 63 | 51 | 64 | 54 | 80 | 55 | 64 | 51 | 79 | 39 | 79 | 46 | 84 | 51 | 76 | 40 | 73 | 51 | 77 | 54 | 76 | 52 |
| Mns... | 55.2 | 37.1 | 62.8 | 38.0 | 61.8 | 45.0 | 62.3 | 46.0 | 65.2 | 50.1 | 70.4 | 49.4 | 55.1 | 39.8 | 62.0 | 36.9 | 55.7 | 37.3 | 56.3 | 38.9 | 57.6 | 37.2 | 60.5 | 41.4 | 68.1 | 46.5 | 63.1 | 42.5 |

| Date. | Lower Michigan. | | | | | | Ohio. | | | | | | Erie, Pa. | New York. | | | | | | Vermont. | | | | | | | | |
|--------|-----------------|------|-----------|------|---------------------|------|------------|------|----------|------|-----------|------|-----------|-----------|------|----------|------|---------|------|------------|------|-----------|------|-------------|------|-------------|------|----|
| | Detroit. | | Muskegon. | | Saginaw, West Side. | | Cleveland. | | Lima, §§ | | Sandusky. | | | Toledo. | | Buffalo. | | Canton. | | Rochester. | | Syracuse. | | Burlington. | | Northfield. | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | |
| 1.... | 79 | 49 | 74 | 51 | 81 | 52 | 74 | 46 | 79 | 38 | 80 | 49 | 80 | 51 | 70 | 47 | 61 | 42 | 67 | 40 | 73 | 45 | 74 | 44 | 66 | 34 | 68 | 27 |
| 2.... | 84 | 59 | 77 | 56 | 85 | 56 | 81 | 62 | 84 | 48 | 85 | 57 | 85 | 58 | 75 | 61 | 67 | 50 | 79 | 54 | 82 | 57 | 80 | 61 | 84 | 46 | 82 | 37 |
| 3.... | 83 | 64 | 75 | 63 | 83 | 59 | 85 | 63 | 83 | 55 | 85 | 62 | 84 | 64 | 82 | 61 | 75 | 66 | 84 | 57 | 86 | 59 | 85 | 61 | 76 | 56 | 83 | 47 |
| 4.... | 84 | 62 | 75 | 58 | 82 | 62 | 84 | 63 | 82 | 58 | 85 | 62 | 83 | 63 | 82 | 65 | 76 | 68 | 87 | 60 | 85 | 62 | 88 | 57 | 84 | 56 | 75 | 49 |
| 5.... | 82 | 62 | 70 | 56 | 77 | 61 | 86 | 64 | 84 | 60 | 86 | 63 | 83 | 64 | 83 | 63 | 76 | 70 | 85 | 60 | 86 | 62 | 86 | 64 | 79 | 59 | 85 | 49 |
| 6.... | 68 | 43 | 60 | 48 | 66 | 40 | 70 | 51 | 68 | 58 | 70 | 49 | 69 | 46 | 73 | 52 | 73 | 47 | 77 | 52 | 76 | 49 | 78 | 54 | 80 | 59 | 84 | 47 |
| 7.... | 58 | 39 | 57 | 38 | 58 | 33 | 54 | 43 | 63 | 43 | 56 | 44 | 59 | 40 | 54 | 43 | 57 | 43 | 55 | 39 | 58 | 41 | 55 | 44 | 59 | 42 | 59 | 34 |
| 8.... | 65 | 41 | 56 | 49 | 62 | 43 | 58 | 42 | 71 | 37 | 59 | 44 | 67 | 43 | 55 | 40 | 58 | 38 | 59 | 31 | 62 | 39 | 63 | 36 | 55 | 34 | 59 | 26 |
| 9.... | 57 | 33 | 51 | 40 | 50 | 33 | 56 | 40 | 59 | 46 | 58 | 39 | 58 | 38 | 52 | 39 | 50 | 34 | 54 | 37 | 53 | 35 | 53 | 38 | 57 | 40 | 56 | 40 |
| 10.... | 53 | 34 | 50 | 33 | 55 | 29 | 44 | 38 | 53 | 34 | 48 | 38 | 50 | 32 | 46 | 36 | 43 | 32 | 42 | 30 | 44 | 34 | 41 | 34 | 41 | 32 | 40 | 31 |
| 11.... | 55 | 39 | 57 | 30 | 60 | 36 | 49 | 43 | 60 | 28 | 53 | 37 | 55 | 39 | 48 | 38 | 50 | 33 | 53 | 28 | 52 | 34 | 48 | 32 | 52 | 33 | 49 | 30 |
| 12.... | 62 | 41 | 58 | 44 | 63 | 40 | 64 | 37 | 70 | 35 | 66 | 38 | 67 | 40 | 57 | 37 | 53 | 40 | 63 | 29 | 61 | 36 | 59 | 37 | 59 | 29 | 58 | 25 |
| 13.... | 74 | 49 | 64 | 48 | 67 | 47 | 66 | 56 | 78 | 49 | 71 | 53 | 76 | 50 | 62 | 53 | 58 | 45 | 58 | 46 | 62 | 47 | 62 | 49 | 57 | 40 | 58 | 32 |
| 14.... | 60 | 45 | 61 | 46 | 61 | 44 | 56 | 51 | 78 | 53 | 56 | 49 | 57 | 47 | 56 | 47 | 58 | 45 | 54 | 33 | 55 | 42 | 56 | 43 | 55 | 40 | 51 | 29 |
| 15.... | 70 | 45 | 76 | 45 | 74 | 45 | 79 | 52 | 81 | 53 | 82 | 49 | 81 | 47 | 71 | 40 | 65 | 43 | 55 | 25 | 56 | 41 | 57 | 37 | 53 | 28 | 56 | 21 |
| 16.... | 62 | 51 | 64 | 46 | 64 | 50 | 59 | 53 | 67 | 53 | 64 | 53 | 65 | 52 | 61 | 47 | 55 | 45 | 46 | 41 | 60 | 47 | 64 | 50 | 46 | 41 | 43 | 38 |
| 17.... | 75 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 5, UPPER MISSISSIPPI VALLEY.

GEO. M. CHAPPEL, District Editor.

GENERAL SUMMARY.

With respect to conditions in different parts of the district the climatological features of May, 1913, exhibited greater contrasts than usual. In North Dakota and northwestern Minnesota the weather was dry and comparatively cool; in central sections the month was wet and slightly cooler than usual; while in southern Missouri and Illinois droughty conditions obtained, and there was a slight excess of temperature. Considering the district as a whole, however, the month was relatively cool and wet. In Iowa and surrounding territory the wet weather greatly interfered with corn planting and other outdoor work, but favorable conditions during the closing days of the month enabled a great amount of the delayed work to be brought up to date. In the southern parts of the Missouri and Illinois areas the need of moisture was becoming urgent at the close of the month. Frosts that proved damaging locally occurred on the 10th and 11th, as well as on the 23d; but there was no widespread injury from that source during the month in this district. The most severe storm was that of the 13th in Iowa, where at some points it closely approached tornadic conditions, and considerable property was destroyed in and about Alta. The appearance of the storm clouds as they neared Des Moines, Iowa, was most ominous, and this, together with the memories of the recent Omaha tornado, caused much apprehension. Fortunately, however, only a severe thunderstorm resulted. Press dispatches chronicle the instant death of Miss Ella Stuckenbruck, by lightning on the afternoon of the 21st. She was about to lock the door of the school where she was teaching, near Belle Plaine, Iowa.

The following table presents in condensed form the leading features of climatological interest for the various parts of the district:

| Parts of States within District 5. | Temperature. | | | | Precipitation. | | | | | |
|---------------------------------------|--------------|------------|----------|---------|----------------|------------|-----------------|--------------|-------------------|--------------------------------------------|
| | Mean. | Departure. | Highest. | Lowest. | Average. | Departure. | Greatest total. | Least total. | Average snowfall. | Average number of days with precipitation. |
| North Dakota..... | 51.1 | -1.5 | 100 | 11 | 1.65 | -1.00 | 4.00 | 0.59 | ..... | 9 |
| Minnesota..... | 53.0 | -1.8 | 99 | 19 | 3.46 | +0.28 | 5.98 | 1.05 | ..... | 11 |
| South Dakota..... | 53.5 | -3.0 | 92 | 24 | 3.20 | +0.65 | 3.97 | 2.42 | ..... | 9 |
| Wisconsin..... | 54.4 | -1.3 | 91 | 17 | 5.36 | +1.68 | 8.77 | 0.90 | ..... | 12 |
| Iowa..... | 59.2 | -0.7 | 96 | 30 | 6.37 | +1.96 | 10.25 | 3.87 | ..... | 13 |
| Missouri..... | 65.3 | +0.9 | 100 | 33 | 2.93 | -1.36 | 9.12 | 0.88 | ..... | 9 |
| Indiana..... | 59.6 | -0.2 | 86 | 27 | 5.61 | +1.49 | 6.67 | 4.38 | ..... | 12 |
| Illinois..... | 62.2 | +0.1 | 98 | 28 | 3.47 | -0.66 | 8.32 | 0.41 | ..... | 9 |

TEMPERATURE.

The mean temperature for the district was 56.9°, or 0.9° lower than the normal. In the southern two-thirds of Illinois and over the Indiana and Missouri areas the month was slightly warmer than usual; over the remainder of the district there was a deficiency in temperature, which reached 3° or 4° in North Dakota. Cairo, Ill., with a mean temperature of 68.4°, was the warmest point, and Hannah, N. Dak., with a mean of 47.1°, the coolest point. In a great majority of cases the lowest temperature of the month at the various stations occurred either on or about the 6th or 10th; at those times frosts formed southward into Iowa and northern Illinois, but only nominal damage resulted. Another cool spell prevailed about the 23d with some frost reported. The lowest temperature recorded was 11°, at Bottineau, N. Dak., on the 11th. In parts of Wisconsin and Illinois, and in Indiana, the highest monthly temperatures occurred on the 1st or 2d, but over the remainder of the district they were observed some time during the closing five days. Exceptionally high temperatures for May occurred during this latter period, and in some instances all previous records for the month were surpassed. At Des Moines, Iowa, the highest temperature on the 29th was 96°, which is 2° higher than ever before recorded in May. The highest temperature reported in the district was 100°, at McKinney, N. Dak., on the 28th, and at Steffenville, Mo., on the 31st.

PRECIPITATION.

In some parts of the district the month was the wettest May in years, if not on record, while in other sections droughty conditions obtained. A few stations in Iowa and one station in Missouri reported more than 9 inches of rainfall, while a small area in southern Illinois had less than half an inch. The month was dry in the southern Missouri and Illinois areas, and in North Dakota and northwestern Minnesota. The average precipitation for the whole district was 4.33 inches, or 0.57 inch more than the normal. The greatest amount reported was 10.25 inches, at Britt, Iowa, and the least was 0.41 inch, at Windsor, Ill. In the small Missouri area the distribution of the rainfall was decidedly irregular, two observers within 30 miles of each other reporting too much moisture, and damage from drought, respectively. Steffenville, Mo., reported a fall of 9.12 inches, while at Louisiana, Mo., only 0.88 inch fell. Both stations had 7 rainy days. The greatest amount of precipitation reported in 24 consecutive hours was 3.04 inches, at Dwight, Ill., on the 20th-21st.

Snow.—Light snow occurred at a few points in the extreme northern part of the district, Leech Lake Dam, Minn., reporting a monthly total of 1 inch.

RIVERS.

Moderately high stages prevailed in the Mississippi all the month, but no flood stages were reached. As a rule, the highest stages of the month occurred at its close. During the last week of the month the Illinois River at La Salle covered the bottom lands, and some corn was ruined. The estimated damage was \$5,000.

MISCELLANEOUS.

The sunshine was deficient over those regions where the rainfall was heavy, but elsewhere there was the normal amount or more. The average number of clear days was 12; partly cloudy, 9; cloudy, 10. The prevailing

winds were northwesterly, but at many stations, especially in southern sections, the prevailing direction was southwesterly. The highest velocity reported was 52 miles an hour from the southwest, at St. Paul, Minn., on the 1st.

ERRATA.

Report for April, 1913.—Charles City, Iowa; Total precipitation published, 1.98, should be 2; departure from the normal published -0.85 , should be -0.83 ; precipitation on 10th published 0.73, should be 0.75; mean maximum temperature published 60.2, should be 60.1. Hettinger, N. Dak.: Mean monthly temperature published 47.6, should be 47.4. Minto, N. Dak.: Greatest 24-hour precipitation published 0.19, should be 0.22. Merrill, Wis.: Monthly minimum temperature published 20, should be 18 on 20th. Sugar Creek Dam, Wis.: Number of partly cloudy days published 2, should be 3.

TABLE 1.—*Climatological data for May, 1913. District No. 5, Upper Mississippi Valley.*

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|---------------------|-------------|------------------|--------------------------|-------------------------------------|----------------------------|------------------|-------|-----------------|-------|---------------------------|--------|----------------------------|-----------------------|----------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelting. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| North Dakota. | | | | | | | | | | | | | | | | | | | | |
| Amenia | Cass | 954 | 17 | 52.1 | - 2.4 | 98 | 27 | 24 | 10 | 51 | 0.95 | - 2.14 | 0.38 | 0 | 4 | 12 | 6 | 13 | nw. se. | C. E. Wood. |
| Bottineau | Bottineau | 1,638 | 21 | 49.9 | - 1.3 | 94 | 27 | 11 | 5 | 46 | 1.09 | - 1.19 | 0.24 | 0 | 12 | 5 | 8 | 18 | ..... | H. F. Steinmeir. |
| Bowbells | Burke | 1,958 | 1 | 49.4 | ..... | 93 | 27 | 23 | 6 | 47 | 1.40 | ..... | 0.33 | 0 | 10 | 17 | 1 | 3 | ..... | G. H. Phelps. |
| Cando | Towner | 1,488 | 12 | 53.9 ^a | + 3.2 | 98 ^d | 27 | 15 | 12 | 55 ^d | 1.88 | - 0.95 | 0.65 | 0 | 9 | ..... | ..... | ..... | ..... | E. T. Judd. |
| Crosby | Divide | 1,584 | 6 | 48.8 | ..... | 89 | 27 | 22 | 2 | 42 | 1.54 | ..... | 0.37 | 0 | 9 | 16 | 8 | 7 | se. | H. C. Kaschau. |
| Devils Lake | Ramsey | 1,482 | 8 | 50.2 | - 2.5 | 92 | 27 | 26 | 13 | 37 | 0.88 | - 1.32 | 0.29 | 0 | 10 | 8 | 8 | 15 | ne. | U. S. Weather Bureau. |
| Donnybrook | Ward | 1,760 | 14 | 49.0 | 0.0 | 92 | 28 | 24 | 6 | 45 | 1.99 | - 0.58 | 0.65 | T. | 7 | 13 | 3 | 15 | nw. | C. J. De Vore. |
| Dunseith | Rolette | 1,760 | 17 | 50.0 | - 2.4 | 91 | 27 | 26 | 6 | 43 | 1.51 | - 0.18 | 0.56 | 0 | 11 | 9 | 14 | 8 | nw. | C. E. Goodsell. |
| Eckman | Bottineau | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Geo. Yenny. |
| Fessenden | Wells | 1,610 | 1 | 51.0 | ..... | 97 | 27 | 26 | 2 | 48 | 0.96 | ..... | 0.34 | T. | 7 | 10 | 5 | 16 | nw. | G. T. Seymour. |
| Forman | Sargent | 1,249 | 21 | 54.0 | - 1.5 | 93 | 27 | 28 | 6 | 41 | 3.27 | + 0.37 | 0.83 | 0 | 14 | 9 | 12 | 10 | nw. | A. Maltby. |
| Grafton | Walsh | 827 | 21 | 50.6 | - 2.6 | 95 | 27 | 22 | 6 | 45 | 1.44 | - 0.79 | 0.82 | 0 | 10 | 14 | 4 | 13 | sw. | A. R. T. Wylie. |
| Granville | McHenry | 1,504 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. A. Christianson. |
| Hannah | McHenry | 1,568 | 8 | 47.1 | ..... | 91 | 27 | 20 | 2 | 46 | 1.19 | ..... | 0.31 | 0 | 8 | 9 | 7 | 15 | ..... | J. Moffatt. |
| Hansboro | Towner | ..... | 5 | 49.6 | ..... | 92 | 27 | 24 | 2 | 40 | 1.68 | ..... | 0.35 | 0 | 8 | 14 | 12 | 5 | nw. | Geo. Dale. |
| Hillsboro | Trall | 901 | 7 | 52.6 | ..... | 93 | 27 | 27 | 6 | 42 | 1.38 | ..... | 0.38 | 0 | 10 | 12 | 14 | 5 | nw. | F. E. Mayall. |
| Lakota | Nelson | 1,579 | 12 | 49.0 | - 1.1 | 92 | 27 | 23 | 2 | 45 | 1.31 | - 1.19 | 0.37 | T. | 9 | 5 | 22 | 4 | nw. | C. R. Pettes. |
| Langdon | Cavalier | 1,615 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. Woolner. |
| Larimore | Grand Forks | 1,134 | 18 | 50.6 | - 2.1 | 96 | 27 | 23 | 2 | 43 | 1.81 | - 0.57 | 0.37 | 0 | 11 | 15 | 5 | 11 | nw. | J. M. Freeman. |
| Lisbon | Ransom | 1,091 | 9 | 53.6 | + 1.1 | 97 | 27 | 26 | 6 | 51 | 2.47 | - 1.30 | 0.37 | 0 | 9 | 12 | 5 | 14 | nw. | W. S. Adams. |
| McKinney | Renville | 1,640 | 19 | 50.9 | - 1.2 | 100 ^a | 28 | 24 | 6 | 49 ^a | 1.01 | - 1.17 | 0.55 | 0 | 3 | ..... | ..... | ..... | ..... | N. P. Swenson. |
| McLeod | Ransom | ..... | 1 | 52.0 | ..... | 93 | 27 | 21 | 6 | 41 | 4.00 | ..... | 1.93 | 0 | 12 | 3 | 20 | 8 | n. | Martin Reinhold. |
| Manfred | Wells | 1,605 | 10 | 52.4 | + 1.4 | 95 | 27 | 25 | 5 | 48 | 2.08 | - 0.64 | 0.90 | 0 | 7 | 13 | 10 | 8 | nw. | P. B. Anderson. |
| Mayville | Trall | 975 | 17 | 53.2 | - 1.9 | 96 | 28 | 23 | 10 | 44 | 1.81 | - 1.14 | 0.50 | 0 | 10 | 13 | 5 | 13 | ..... | W. C. Gould. |
| Minot | Sargent | 1,097 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.67 | 0 | 12 | 3 | 18 | 10 | n. | Hj. Edman. |
| Minot | Ward | 1,557 | 17 | 51.8 | - 0.5 | 93 | 27 | 25 ^a | 6 | 42 ^a | 1.62 | - 0.49 | 0.54 | 0 | 9 | ..... | ..... | ..... | ..... | Louise Bates. |
| Minto | Walsh | 820 | 20 | 51.0 | - 2.4 | 94 | 27 | 22 | 2 | 42 | 1.53 | - 0.96 | 0.30 | 0 | 12 | 9 | 11 | 11 | nw. | S. S. Marsh. |
| Oriska | Barnes | 1,270 | 8 | 53.4 | ..... | 96 | 27 | 23 | 2 | 43 | 1.43 | ..... | 0.44 | 0 | 10 | 3 | 21 | 7 | nw. | J. J. Taylor. |
| Park River | Walsh | 998 | 9 | 51.4 | ..... | 93 | 27 | 26 | 6 | 38 | 1.19 | ..... | 0.52 | 0 | 12 | 15 | 11 | 5 | ne. | P. J. Prochaska. |
| Pembina | Pembina | 789 | 39 | 48.8 | - 3.6 | 92 | 27 | 22 | 1 | 43 | 0.59 | - 2.04 | 0.42 | 0 | 4 | 11 | 4 | 16 | w. | C. W. Shumaker. |
| Power | Richland | 1,020 | 21 | 51.4 | - 3.1 | 94 ^a | 27 | 26 ^a | 6 | 42 ^a | 2.22 | - 0.60 | 0.54 | 0 | 7 | 9 | 7 | 15 | nw. | J. A. Power. |
| Towner | McHenry | ..... | 11 | 52.0 | - 1.2 | 93 | 27 | 23 | 6 | 45 | 1.39 | - 1.52 | 0.34 | 0 | 9 | 6 | 6 | 19 | nw. | B. Bagley. |
| University | Grand Forks | 830 | 21 | 51.2 | - 2.5 | 92 | 27 | 25 | 9 | 42 | 1.48 | - 1.08 | 0.43 | 0 | 11 | 13 | 5 | 13 | nw. | U. S. Weather Bureau. |
| Wahpeton | Richland | 962 | 19 | 51.4 | - 4.4 | 94 | 27 | 25 | 6 | 41 | 1.57 | - 1.23 | 0.60 | 0 | ..... | 12 | 4 | 15 | nw. | Fred E. Smith. |
| Walsh | Pembina | 966 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Ivanhoe Lee. |
| Westhope | Bottineau | ..... | 7 | 51.1 | ..... | 96 | 27 | 23 | 6 | 48 | 1.87 | ..... | 0.75 | 0 | 9 | 11 | 17 | 3 | ne. | W. A. Meddaugh. |
| Willow City | do. | 1,471 | 21 | 50.8 | - 1.1 | 94 | 26 | 22 | 6 | 49 | 1.16 | - 0.84 | 0.55 | 0 | 9 | 4 | 22 | 5 | nw. | M. A. Ostby. |
| Minnesota. | | | | | | | | | | | | | | | | | | | | |
| Albert Lea | Freeborn | 1,229 | 22 | 57.4 | - 0.6 | 91 | 29 | 34 | 10 | 47 | 5.85 | + 1.66 | 1.25 | 0 | 9 | 12 | 12 | 7 | sw. | Edward Carey. |
| Alexandria | Douglas | 1,391 | 19 | 52.4 | - 1.8 | 91 | 27 | 32 | 10 | 38 | 4.59 | + 1.19 | 1.78 | 0 | 11 | 9 | 3 | 19 | nw. | P. O. Unumb. |
| Angus | Polk | 870 | 11 | 49.8 | - 2.2 | 99 | 27 | 23 | 6 | 55 | 1.18 | - 1.47 | 0.40 | 0 | 9 | 14 | 9 | 8 | sw. | John Nadvornik. |
| Bagley | Clearwater | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Jens Nelson. |
| Baudette | Beltrami | 1,084 | 3 | 49.0 | ..... | 86 | 27 | 24 | 10 | 39 | 2.18 | ..... | 0.80 | T. | 13 | 12 | 11 | 8 | nw. | G. A. Gjellhaug. |
| Bigdley | Bigstone | 1,090 | 17 | 56.0 | - 0.5 | 94 | 27 | 30 | 10 | 39 | 4.51 | + 1.35 | 0.99 | 0 | 12 | 5 | 19 | 7 | nw. | J. L. Fitzgerald. |
| Bemidji | Beltrami | 1,400 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.76 | ..... | 0.35 | 0 | 7 | ..... | ..... | ..... | ..... | C. W. Warfield. |
| Bird Island | Renville | 1,039 | 23 | 55.0 | - 1.7 | 89 | 27 | 30 | 10 | 38 | 3.52 | + 0.34 | 0.59 | 0 | 14 | 6 | 9 | 16 | nw. | Dr. F. L. Puffer. |
| Brainerd | Crow Wing | 1,215 | 7 | 53.5 | ..... | 95 | 27 | 27 | 10 | 48 | 3.08 | ..... | 0.82 | 0 | 13 | 15 | 8 | 8 | ne. | Theodore Miller. |
| Caledonia | Houston | 1,179 | 20 | 56.9 | - 0.5 | 86 | 29 | 36 | 10 | 48 | 3.46 | - 0.06 | 0.80 | 0 | 11 | 11 | 6 | 14 | nw. | W. D. Belden. |
| Campbell | Wilkin | 984 | 7 | 52.4 | ..... | 91 | 31 | 28 | 6 | 41 | 3.73 | ..... | 0.92 | 0 | 13 | 13 | 2 | 16 | nw. | J. T. Neissess. |
| Cass Lake | Cass | 1,300 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.41 | ..... | 0.80 | 0 | 9 | ..... | ..... | ..... | ..... | C. W. Burns. |
| Collegeville | Stearns | 1,282 | 20 | 53.3 | - 3.0 | 89 | 27 | 31 | 25 | 34 | 5.25 | + 2.12 | 1.71 | 0 | 13 | 11 | 9 | 11 | ne. | F. Tembreull. |
| Crookston | Polk | 863 | 24 | 51.0 | - 2.5 | 91 | 27 | 29 | 8 | 39 | 1.05 | - 1.84 | 0.38 | 0 | 8 | 12 | 3 | 16 | s. | A. G. Andersen. |
| Detroit | Becker | 1,364 | 17 | 50.4 | - 2.6 | 92 | 27 | 25 | 9 | 44 | 2.63 | - 1.12 | 0.55 | 0 | 8 | 15 | 8 | 8 | nw. | G. W. Peoples. |
| Ely | St. Louis | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Iver Wisted. |
| Fairmont (near) | Martin | 1,240 | 26 | 55.5 | - 1.2 | 90 | 29 | 36 | 9 | 38 | 4.92 | + 0.88 | 1.06 | 0 | 10 | 9 | 10 | 12 | nw. | W. F. Wierland. |
| Faribault | Rice | 1,003 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Dr. A. B. Moulton. |
| Farington | Dakota | 902 | 25 | 55.6 | - 0.9 | 91 | 28 | 30 | 10 | 45 | 3.48 | 0.00 | 0.87 | 0 | 12 | 10 | 5 | 16 | nw. | E. D. Akin. |
| Fergus Falls | Ottertail | 1,210 | 21 | 53.8 | - 1.6 | 89 | 27 | 34 | 1 | 37 | 3.78 | + 0.52 | 0.62 | 0 | 13 | 13 | 9 | 9 | nw. | C. E. Kissinger. |
| Fort Ripley | Crow Wing | 1,136 | 5 | 52.3 | ..... | 90 | 27 | 24 | 10 | 42 | 3.46 | + 0.12 | 1.10 | 0 | 9 | 13 | 0 | 18 | s. | J. J. Tucker. |
| Foston | Polk | 1,289 | 3 | 48.0 | ..... | 88 | 27 | 25 | 6 | 35 | 1.39 | ..... | 0.30 | 0 | 13 | 15 | 13 | 3 | nw. | O. N. Hem. |
| Glencoe | McLeod | 1,000 | 16 | 55.0 | - 1.8 | 89 | 27 | 32 | 9 | 39 | 2.40 | - 1.24 | 1.50 | 0 | 5 | 14 | 17 | 0 | n. | L. V. Koos. |
| Grand Meadow | Mower | 1,338 | 25 | 54.2 | - 1.4 | 88 | 29 | 29 | 10 | 38 | 5.32 | + 0.57 | 1.27 | 0 | 13 | 11 | 6 | 14 | nw. | C. F. Greening. |
| Gull Lake Dam | Cass | 1,215 | 2 | 52.2 | ..... | 87 | 27 | 31 | 10 | 43 | 3.77 | ..... | 0.67 | T. | 13 | 9 | 15 | 7 | nw. | U. S. Engineer Corps. |
| Hallock | Kittson | 1,815 | 14 | 50.3 | - 2.6 | 94 | 27 | 22 | 6 | 47 | 1.15 | - 1.55 | 0.40 | 0 | 10 | 10 | 9 | 12 | n. | D. A. Robertson. |
| Halstad | Norman | 870 | 7 | 50.6 | ..... | 93 | 27 | 24 | 6 | 47 | 1.13 | ..... | 0.24 | 0 | 8 | 16 | 0 | 15 | ne. | A. G. Holstrom. |
| Hinckley | Pine | 1,050 | 8 | 52.2 | ..... | 90 | 27 | 28 | 9 | 40 | 1.88 | ..... | 0.95 | 0 | 6 | 13 | 7 | 11 | ne. | W. R. Newman. |
| International Falls | Koochiching | 1,112 | 10 | 50.2 | + 0.6 | 85 | 27 | 25 | 10 | 45 | 4.73 | + 1.96 | 1.49 | T. | 10 | 6 | 12 | 13 | n. | C. M. Ardill. |
| Itasca State Park | Clearwater | 1,500 | 2 | 50.2 | ..... | 89 | 27 | 20 | 9 | 43 | 2.08 | ..... | 0.54 | 0 | 12 | 10 | 14 | 7 | nw. | J. A. Stillwell. |
| Lake Crystal | Blue Earth | ..... | 5 | 55.6 | ..... | 88 | 29 | 36 | 5 | 40 | 4.92 | ..... | 1.42 | 0 | 10 | 12 | 7 | 12 | s. | W. P. Cobb. |
| Leech Lake Dam | Cass | 1,301 | 25 | 50.4 | - 0.6 | 84 | 28 | 22 | 10 | 43 | 3.74 | + 0.39 | 1.06 | 1.0 | 14 | 7 | 19 | 5 | nw. | U. S. Engineer Corps. |
| Little Falls | Morrison | ..... | 4 | 53.5 | ..... | 90 | 28 | 31 | 9 | 38 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Wm. Batters. |
| Littlefork | Koochiching | ..... | 3 | 47.6 | ..... | 83 | 27 | 20 | 9 | 46 | 2.84 | ..... | 0.86 | 0 | 13 | 8 | 16 | 7 | ..... | O. C. Olson. |
| Long Prairie | Todd | 1,299 | 21 | 52.7 | - 2.0 | 90 | 27 | 26 | 10 | 50 | 4.18 | + 0.85 | 1.03 | 0 | 13 | 3 | 17 | 11 | nw. | A. L. Sheets. |
| Lynd | Lyon | 1,175 | 20 | 54.6 | - 1.7 | 92 | 29 | 30 | 11 | 36 | 3.84 | + 0.20 | 1.32 | 0 | 12 | 9 | 11 | 11 | nw. | J. W. Rouse. |
| Mankato | Blue Earth | 758 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.66 | + 1.22 | 1.60 | 0 | 12 | 18 | 0 | 13 | sw. | C. G. Staley. |
| Milaca | Millelacs | 1,072 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. H. Foss. |
| Milan | Chippewa | 955 | 19 | 53.4 | - 3.3 | 88 | 27 | 30 | 10 | 37 | 3.79 | + 0.54 | 0.78 | 0 | 14 | 6 | 14 | 11 | nw. | O. K. Opjorden. |
| Minneapolis | Hennepin | 918 | 22 | 55.9 | - 1.5 | 89 | 27 | 34 | 9 | 35 | 2.86 | - 1.06 | 1.07 | 0 | 14 | 9 | 9 | 13 | w. | U. S. Weather Bureau |

TABLE 1.—Climatological data for May, 1913. District No. 5—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | Sky. | | | | | Prevailing wind direction. | Observers. |
|----------------------|-------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|--------------------------|-----|----------------------------|------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of overcast days. | | | |
| Minnesota—Continued. | | | | | | | | | | | | | | | | | | | | | |
| Reeds Landing. | Wabasha. | 681 | 17 | | | | | | | | 4.05 | + 0.01 | 0.74 | 0 | 10 | 12 | 0 | 19 | se. | John Deschneau. | |
| Rochester. | Olmsted. | 991 | 8 | 54.4 | | 91 | 28 | 27 | 10 | 40 | 4.57 | | 0.98 | 0 | 11 | 12 | 4 | 15 | se. | Mary P. Leslie. | |
| Roseau. | Roseau. | 1,040 | 3 | 48.6 | | 89 | 27 | 20 | 6 | 45 | 1.37 | | 0.34 | 0 | 11 | 16 | 12 | 3 | nw. | M. J. Hegland. | |
| St. Charles. | Winona. | 850 | 22 | 55.5 | - 1.0 | 88 | 28 | 28 | 10 | 37 | 4.93 | + 1.10 | 0.93 | 0 | 12 | 14 | 3 | 14 | se. | S. W. Gleason. | |
| St. Cloud. | Sherburne. | 1,020 | 36 | 56.1 | - 0.2 | 95 | 28 | 31 | 25 | 47 | 4.26 | + 0.16 | 1.20 | 0 | 15 | 9 | 11 | 11 | nw. | State Reformatory. | |
| St. Paul. | Ramsey. | 940 | 42 | 55.9 | - 2.3 | 89 | 27 | 37 | 9 | 36 | 2.95 | - 0.67 | 1.20 | 0 | 15 | 8 | 12 | 11 | nw. | U. S. Weather Bureau. | |
| St. Peter. | Nicollet. | 825 | 18 | 56.4 | - 1.5 | 92 | 29 | 30 | 10 | 37 | 3.03 | - 0.58 | 0.65 | 0 | 13 | 13 | 11 | 7 | s. | State Hospital. | |
| Sandy Lake Dam. | Aitkin. | 1,234 | 20 | 48.4 | - 3.7 | 84 | 27 | 25 | 10 | 38 | 3.48 | + 0.19 | 0.97 | 0 | 12 | 6 | 19 | 6 | nw. | U. S. Engineer Corps. | |
| State Sanatorium. | Cass. | | 5 | 52.2 | | 92 | 28 | 28 | 9 | 50 | 2.82 | | 1.30 | T. | 7 | 11 | 10 | 9 | w. | Dr. G. W. Beach. | |
| Stillwater. | Washington. | 694 | 7 | | | | | | | | 3.27 | | 1.27 | 0 | 7 | 20 | 1 | 10 | n. | Oscar Ostrom. | |
| Taylor Falls. | Chisago. | 759 | 6 | 55.0 | | 89 | 27 | 26 | 4 | 42 | 3.56 | | 1.18 | 0 | 11 | 13 | 11 | 7 | nw. | Dr. G. W. Beach. | |
| Thief River Falls. | Pennington. | 1,137 | 2 | | | | | | | | | | | | | | | | | Minneapolis Gen. Elec. Co. | |
| Tracy. | Lyon. | | | | | | | | | | | | | | | | | | | E. W. Lown. | |
| Warren. | Marshall. | 859 | 1 | 52.8 | | 99 | 27 | 26 | 6 | 52 | 1.57 | | 0.50 | T. | 6 | 9 | 10 | 12 | | A. H. Rowland. | |
| Warroad. | Roseau. | 1,069 | 3 | 48.8 | | 85 | 27 | 23 | 6 | 41 | 2.04 | | 0.75 | 0 | 8 | 12 | 10 | 9 | w. | P. H. Holm. | |
| Winnebago. | Faribault. | 1,100 | 15 | 56.4 | - 2.0 | 94 | 29 | 33 | 9 | 36 | 4.17 | - 0.10 | 1.10 | 0 | 12 | 14 | 5 | 12 | nw. | G. A. Sawyer. | |
| Winnibigoshish. | Itasca. | 1,300 | 25 | 49.7 | - 2.1 | 87 | 27 | 25 | 9 | 41 | 3.85 | + 0.89 | 0.85 | 0 | 12 | 10 | 12 | 9 | w. | H. H. Haight. | |
| Winona. | Winona. | 700 | 17 | 59.0 | - 0.9 | 91 | 28 | 31 | 10 | 42 | 5.98 | + 1.16 | 1.23 | 0 | 15 | 9 | 8 | 14 | nw. | U. S. Engineer Corps. | |
| Worthington. | Nobles. | 1,593 | 18 | 53.1 | - 3.3 | 87 | 29 | 32 | 6 | 31 | 5.09 | + 1.30 | 1.30 | 0 | 15 | 10 | 1 | 20 | nw. | P. C. Myers. | |
| Zumbrota. | Goodhue. | 917 | 17 | 55.0 | - 2.8 | 87 | 28 | 27 | 10 | 35 | 3.65 | | 0.55 | T. | 10 | 11 | 13 | 7 | nw. | M. P. Mann. | |
| South Dakota. | | | | | | | | | | | | | | | | | | | | | |
| Milbank. | Grant. | 1,148 | 22 | 52.8 | - 3.0 | 92 | 27 | 24 | 1 | 40 | 3.97 | + 0.65 | 1.13 | 0 | 12 | 11 | 7 | 13 | nw. | Miss Mary Patridge. | |
| Sisseton. | Roberts. | 1,202 | 7 | 54.2 | | 88 | 27 | 34 | 1 | 36 | 2.42 | | 1.10 | 0 | 6 | 13 | 4 | 14 | nw. | George Gray. | |
| Wisconsin. | | | | | | | | | | | | | | | | | | | | | |
| Antigo. | Langlade. | 1,489 | 19 | 53.2 | - 0.8 | 84 | 28 | 27 | 10 | 39 | 5.92 | | 1.10 | 0 | 12 | 18 | 0 | 13 | w. | Elton C. Larzelere. | |
| Barron. | Barron. | 1,115 | 22 | 53.2 | - 0.1 | 86 | 28 | 24 | 10 | 39 | 5.64 | + 1.35 | 1.20 | 0 | 14 | 11 | 16 | 4 | se. | Wm. A. Kent. | |
| Beloit. | Rock. | 750 | 47 | 57.7 | - 1.1 | 85 | 1 | 30 | 10 | 35 | 6.12 | + 2.54 | 1.80 | 0 | 13 | 13 | 10 | 8 | s. | Smith Observatory. | |
| Big St. Germain Dam. | Vilas. | 1,590 | 3 | 50.5 | | 83 | 28 | 23 | 10 | 42 | 3.83 | | 1.14 | 0 | 13 | 11 | 14 | 6 | w. | Fred Hessen. | |
| Brodhead. | Green. | 812 | 15 | 58.8 | - 0.7 | 86 | 29 | 28 | 11 | 37 | 6.77 | + 3.00 | 2.05 | 0 | 11 | 15 | 10 | 6 | sw. | Hector D. Kirkpatrick. | |
| Burnett. | Dodge. | 880 | 9 | 55.2 | | 83 | 1 | 28 | 10 | 37 | 5.80 | | 1.37 | 0 | 13 | 4 | 15 | 12 | nw. | George W. Smith. | |
| Cornell. | Chippewa. | 993 | 1 | 54.2 | | 84 | 28 | 26 | 10 | 39 | 4.19 | | 1.06 | 0 | 15 | 11 | 10 | 10 | sw. | Brunet Falls Mfg. Co. | |
| Cottage Grove. | Dane. | 888 | 2 | | | | | | | | 6.34 | | 1.48 | 0 | 14 | 14 | 8 | 9 | sw. | John E. Mellich. | |
| Darlington. | Lafayette. | 867 | 7 | 57.6 | | 85 | 1 | 28 | 10 | 42 | 7.98 | | 2.00 | 0 | 9 | 16 | 0 | 15 | nw. | Sever P. Nelson. | |
| Deerskin Dam. | Forest. | 1,685 | 3 | 50.0 | | 82 | 1 | 20 | 10 | 45 | 3.33 | | 0.74 | 0 | 9 | 8 | 13 | 10 | w. | Wm. E. O'Neal. | |
| Delavan. | Walworth. | 920 | 22 | 56.3 | - 1.3 | 85 | 1 | 27 | 10 | 38 | 5.22 | + 1.48 | 1.20 | 0 | 11 | 10 | 7 | 14 | sw. | Elwood S. Austin. | |
| Dodgeville. | Iowa. | 1,220 | 13 | | | | | | | | | | | | | | | | | Chas. H. Barryman. | |
| Downing. | Dunn. | 983 | 11 | 52.8 | - 2.1 | 88 | 29 | 20 | 10 | 45 | 2.42 | - 2.15 | 0.90 | 0 | 8 | 8 | 0 | 23 | se. | Eugene F. Stoddard. | |
| Eau Claire. | Eau Claire. | 800 | 22 | 56.2 | - 1.0 | 87 | 28 | 20 | 10 | 42 | 4.47 | + 0.10 | 1.04 | 0 | 13 | 6 | 16 | 9 | s. | Robert D. Whitford. | |
| Glen Flora. | Rusk. | 1,475 | 1 | 51.8 | | 89 | 31 | 21 | 10 | 48 | 3.56 | | 0.80 | 0 | 8 | 14 | 12 | 5 | s. | G. A. Durgin. | |
| Grand Rapids. | Wood. | 980 | 14 | 54.4 | - 2.0 | 85 | 1 | 26 | 10 | 42 | 6.64 | + 2.25 | 1.25 | 0 | 16 | 13 | 2 | 16 | ne. | Geo. T. Nixon. | |
| Grantsburg. | Burnett. | 1,095 | 22 | 53.6 | - 1.3 | 91 | 28 | 26 | 10 | 41 | 3.75 | - 0.36 | 1.10 | 0 | 6 | 17 | 6 | 8 | ne. | Chester Ahlstrom. | |
| Hancock. | Waushara. | 1,091 | 21 | 56.6 | - 0.2 | 86 | 1 | 30 | 10 | 39 | 8.44 | + 4.29 | 2.12 | 0 | 13 | 7 | 11 | 13 | nw. | Frederick B. Hamilton. | |
| Hatfield. | Jackson. | 973 | 19 | 54.2 | - 4.4 | 87 | 28 | 26 | 10 | 47 | 5.09 | + 0.27 | 1.25 | 0 | 10 | 7 | 11 | 13 | se. | Wis. Ry., Light & Pow. Co. | |
| Hayward. | Sawyer. | 1,107 | 22 | 52.3 | | 83 | 1 | 22 | 10 | 43 | 3.75 | | | 0 | | | | | | A. E. Johnson. | |
| Hillsboro. | Vernon. | 1,000 | 22 | 54.8 | - 0.9 | 85 | 30 | 28 | 10 | 44 | 7.77 | + 3.41 | 2.58 | 0 | 10 | 10 | 15 | 6 | e. | Emil V. Wernick. | |
| Koepenick. | Langlade. | 1,683 | 22 | 52.3 | - 1.9 | 85 | 2 | 22 | 10 | 38 | 5.10 | + 1.39 | 0.80 | 0 | 12 | | | | sw. | Edward S. Koepenick. | |
| La Crosse. | La Crosse. | 714 | 41 | 57.6 | - 1.9 | 88 | 28 | 33 | 10 | 35 | 5.60 | + 1.85 | 1.76 | 0 | 14 | 2 | 14 | 15 | s. | U. S. Weather Bureau. | |
| Lake Mills. | Jefferson. | 897 | 22 | 56.5 | - 0.7 | 84 | 1 | 28 | 10 | 34 | 7.23 | + 2.90 | 2.48 | 0 | 12 | 10 | 12 | 9 | sw. | S. Newton Dexter Smith. | |
| Lancaster. | Grant. | 1,070 | 22 | 57.0 | - 1.3 | 88 | 28 | 30 | 10 | 36 | 8.02 | + 3.64 | 1.92 | 0 | 11 | 9 | 9 | 10 | w. | Edward Pollock. | |
| Long Lake. | Oneida. | 1,592 | 5 | 50.1 | | 83 | 28 | 17 | 10 | 46 | 3.00 | | 0.79 | 0 | 13 | 8 | 16 | 7 | se. | Louis Frank. | |
| Madison. | Dane. | 974 | 44 | 56.6 | - 1.0 | 81 | 1 | 33 | 10 | 29 | 6.63 | + 3.01 | 1.94 | 0 | 15 | 4 | 12 | 15 | sw. | U. S. Weather Bureau. | |
| Marshfield. | Wood. | 1,276 | 0 | 53.0 | | 83 | 1 | 27 | 10 | 41 | 6.22 | | 2.00 | 0 | 14 | 11 | 5 | 15 | nw. | Agr. Exper. Station. | |
| Mather. | Juneau. | 962 | 9 | 53.9 | | 85 | 1 | 30 | 10 | 41 | 6.77 | | 1.19 | 0 | 15 | 11 | 5 | 15 | e. | Frank Evans. | |
| Mauston. | do. | 882 | 17 | 55.9 | - 0.4 | 83 | 1 | 29 | 10 | 36 | 7.15 | + 2.54 | 2.00 | 0 | 12 | 14 | 8 | 9 | sw. | Eugene L. Hitchcock. | |
| Meadow Valley. | do. | 974 | 22 | 55.4 | - 0.9 | 87 | 1 | 28 | 10 | 41 | 5.70 | + 1.39 | 1.57 | 0 | 12 | 3 | 21 | 7 | nw. | Charles H. Johnson. | |
| Medford. | Taylor. | 1,420 | 24 | 52.8 | - 1.3 | 84 | 28 | 27 | 10 | 42 | 4.58 | + 0.17 | 1.10 | 0 | 12 | 16 | 7 | 8 | s. | Wm. Zeit. | |
| Merrill. | Lincoln. | 1,267 | 7 | 54.4 | | 87 | 28 | 27 | 10 | 46 | 4.71 | | 1.03 | 0 | 8 | 9 | 9 | 13 | sw. | O. F. Lueck. | |
| Minocqua. | Oneida. | 1,604 | 9 | 51.8 | | 83 | 28 | 21 | 10 | 39 | 4.41 | | 1.10 | 0 | 14 | 8 | 17 | 6 | sw. | Benjamin W. Applebee. | |
| Mondovi. | Buffalo. | 738 | 5 | 55.4 | | 86 | 27 | 28 | 10 | 43 | 4.50 | | 1.15 | 0 | 18 | 14 | 6 | 11 | nw. | Dr. Chas. Hebard. | |
| Mount Horeb. | Dane. | 1,226 | 9 | 56.0 | | 83 | 30 | 27 | 10 | 36 | 7.08 | | 2.01 | 0 | 11 | 11 | 6 | 14 | s. | W. M. Lewis. | |
| Muskego. | Grant. | 666 | 4 | 57.6 | | 88 | 30 | 33 | 11 | 45 | 6.59 | | 1.16 | 0 | 12 | 14 | 0 | 17 | nw. | Wm. Hessler. | |
| Neillsville. | Clark. | 996 | 23 | 54.9 | - 0.9 | 90 | 28 | 28 | 10 | 44 | 6.55 | + 2.18 | 1.95 | 0 | 9 | | | | nw. | Wm. Heaslett. | |
| New Richmond. | St. Croix. | 990 | 8 | 55.2 | | 90 | 28 | 28 | 10 | 40 | 2.99 | | 0.78 | 0 | 12 | 7 | 20 | 4 | sw. | Franc A. R. Van Meter. | |
| Osceola. | Polk. | 806 | 22 | 54.9 | - 0.1 | 88 | 28 | 30 | 10 | 38 | 1.98 | - 2.19 | 0.85 | 0 | 7 | 8 | 18 | 5 | n. | Charles W. Staples. | |
| Park Falls. | Price. | 1,492 | 22 | 50.6 | | 87 | 28 | 24 | 10 | 41 | 4.55 | | 1.18 | 0 | 15 | 13 | 5 | 13 | s. | Flambeau Paper Co. | |
| Portage. | Columbia. | 809 | 24 | 57.8 | - 1.0 | 85 | 30 | 31 | 10 | 35 | 7.57 | + 3.49 | 1.65 | 0 | 15 | 14 | 7 | 10 | w. | James H. Martin. | |
| Port Edwards. | Wood. | 969 | 3 | 55.3 | | 84 | 1 | 29 | 10 | 41 | 5.85 | | 1.30 | 0 | 11 | 11 | 9 | 11 | ne. | Nekoosa-Edwards Pa. Co. | |
| Prairie du Chien. | Crawford. | 628 | 22 | 57.1 | - 3.3 | 91 | 28 | 34 | 10 | 47 | 6.42 | + 2.19 | 1.54 | 0 | 11 | 10 | 2 | 19 | s. | James A. Gillis. | |
| Prairie du Sac. | Sauk. | 750 | 5 | 58.4 | | 90 | 1 | 32 | 10 | 41 | 7.40 | | 2.00 | 0 | 11 | 12 | 7 | 12 | ne. | Wis. River Power Co. | |
| Prentice. | | | | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 5—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | | Prevailing wind direction. | Observers. |
|------------------------|------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|--------------------------|----------------------------|-----------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of overcast days. | | |
| Iowa. | | | | | | | | | | | | | | | | | | | | |
| Albia..... | Monroe..... | 959 | 15 | 62.1 | + 1.1 | 92 | 29 | 36 | 11 | 39 | 5.82 | + 1.49 | 1.05 | 0 | 14 | 14 | 2 | 15 | e. | J. I. Chenoweth. |
| Algona..... | Kossuth..... | 1,213 | 39 | 57.6 | - 1.9 | 91 | 29 | 37 | 10 | 39 | 9.04 | + 5.36 | 2.00 | 0 | 12 | 10 | 6 | 15 | nw. | Dr. F. T. Seeley. |
| Alta..... | Buena Vista..... | 1,513 | 22 | 57.4 | - 0.6 | 94 | 29 | 36 | 10 | 33 | 6.84 | + 2.06 | 2.15 | 0 | 12 | 8 | 11 | 12 | se. | David E. Hadden. |
| Amara..... | Iowa..... | 721 | 37 | 60.7 | + 0.7 | 89 | 29 | 35 | 11 | 33 | 7.22 | + 2.82 | 1.77 | 0 | 15 | 10 | 11 | 10 | s. | C. Schadt. |
| Ames..... | Story..... | 926 | 37 | 59.8 | + 0.3 | 94 | 29 | 36 | 6 | 39 | 7.74 | + 3.42 | 2.02 | 0 | 13 | 7 | 11 | 13 | nw. | Iowa State College. |
| Baxter..... | Jasper..... | 998 | 13 | 59.2 | - 1.2 | 92 | 30 | 34 | 11 | 37 | 5.55 | + 0.35 | 1.22 | 0 | 18 | 15 | 5 | 11 | sw. | W. R. Vandike. |
| Belle Plaine..... | Benton..... | 886 | 23 | 59.2 | - 0.3 | 90 | 29 | 36 | 6 | 37 | 7.11 | + 2.45 | 1.74 | 0 | 13 | 11 | 8 | 12 | s. | O. C. Burrows. |
| Belmond..... | Wright..... | 1,184 | 3 | 57.1 | ..... | 90 | 28 | 36 | 6 | 40 | 6.39 | ..... | 1.27 | 0 | 11 | 4 | 10 | 17 | nw. | Geo. P. Hardwick. |
| Bloomfield..... | Davis..... | 881 | 6 | 62.2 | ..... | 91 | 31 | 32 | 11 | 35 | 5.32 | ..... | 1.33 | 0 | 15 | 19 | 5 | 7 | nw. | Albert Power. |
| Bonaparte..... | Van Buren..... | 22 | 62.1 | - 0.2 | 88 | 30 | 36 | 11 | 33 | 5.67 | + 1.64 | 2.40 | 0 | 15 | ..... | ..... | ..... | ..... | B. R. Vale. | |
| Boone..... | Boone..... | 1,134 | 8 | 59.0 | ..... | 93 | 29 | 37 | 6 | 39 | 6.40 | ..... | 1.02 | 0 | 13 | 10 | 8 | 13 | ..... | C. F. Henning. |
| Britt..... | Hancock..... | 1,236 | 16 | 58.5 | - 1.5 | 90 | 29 | 35 | 6 | 37 | 10.25 | + 5.99 | 1.78 | 0 | 16 | 12 | 4 | 15 | s. | L. M. Goodman. |
| Burlington..... | Des Moines..... | 544 | 17 | 62.4 | - 1.4 | 90 | 28 | 35 | 11 | 41 | 4.22 | + 0.37 | 0.80 | 0 | 12 | 14 | 2 | 15 | s. | Max. E. Poppe, jr. |
| Carroll..... | Carroll..... | 1,265 | 23 | 57.8 | - 1.1 | 94 | 29 | 36 | 6 | 35 | 7.63 | + 3.07 | 2.11 | 0 | 12 | 9 | 4 | 18 | se. | Mrs. Jos. J. Wolfe. |
| Cedar Rapids..... | Linn..... | 733 | 31 | 60.2 | + 0.2 | 92 | 28 | 36 | 11 | 44 | 6.03 | + 1.45 | 0.95 | 0 | 11 | ..... | ..... | ..... | e. | R. S. Toogood. |
| Charles City..... | Floyd..... | 1,015 | 22 | 56.5 | - 3.0 | 89 | 29 | 35 | 6 | 38 | 5.55 | + 0.61 | 1.10 | 0 | 13 | 7 | 5 | 19 | nw. | U. S. Weather Bureau. |
| Clear Lake..... | Cerro Gordo..... | 1,241 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Oscar Stevens. | |
| Clinton..... | Clinton..... | 593 | 46 | 61.2 | + 1.0 | 92 | 28 | 34 | 11 | 38 | 7.07 | + 3.01 | 1.82 | 0 | 14 | 12 | 10 | 9 | sw. | A. E. Reid. |
| Columbus Junction..... | Louisa..... | 595 | 12 | 61.6 | - 0.6 | 87 | 28 | 35 | 11 | 31 | 5.74 | + 1.86 | 1.70 | 0 | 13 | 17 | 4 | 10 | sw. | J. B. Johnston. |
| Davenport..... | Scott..... | 580 | 42 | 60.9 | - 0.6 | 88 | 29 | 35 | 11 | 31 | 4.89 | + 0.70 | 1.34 | 0 | 16 | 7 | 11 | 13 | e. | U. S. Weather Bureau. |
| Decorah..... | Winnebago..... | 875 | 20 | 59.8 | + 0.6 | 96 | 28 | 33 | 10 | 43 | 5.67 | + 1.00 | 0.98 | 0 | 12 | ..... | ..... | ..... | F. H. Baker. | |
| Delaware..... | Delaware..... | 1,083 | 22 | 56.0 | - 2.3 | 86 | 28 | 32 | 11 | 31 | 7.67 | + 3.48 | 1.43 | 0 | 12 | 8 | 12 | 11 | sw. | Nettie E. Ball. |
| Des Moines..... | Polk..... | 861 | 35 | 61.3 | - 0.3 | 96 | 29 | 41 | 11 | 34 | 5.06 | + 0.50 | 1.62 | 0 | 16 | 7 | 11 | 13 | sw. | U. S. Weather Bureau. |
| Dubuque..... | Dubuque..... | 639 | 40 | 59.2 | - 1.6 | 88 | 28 | 37 | 10 | 33 | 8.20 | + 3.88 | 2.13 | 0 | 13 | 5 | 12 | 14 | s. | Do. |
| Earlham..... | Madison..... | 11 | 59.4 | - 0.6 | 95 | 29 | 35 | 6 | 37 | 5.91 | + 1.14 | 1.65 | 0 | 14 | 9 | 8 | 14 | se. | George Phillips. | |
| Elkader..... | Clayton..... | 727 | 34 | 57.5 | - 3.0 | 90 | 28 | 32 | 11 | 32 | 6.13 | + 1.99 | 2.10 | 0 | 11 | 15 | 3 | 13 | se. | Chas. Reinecke. |
| Elma..... | Howard..... | 1,182 | 3 | 55.2 | ..... | 89 | 28 | 30 | 10 | 41 | 5.48 | ..... | 1.05 | 0 | 14 | 10 | 11 | 10 | nw. | H. A. Moore. |
| Estherville..... | Emmet..... | 1,298 | 18 | 54.8 | - 2.4 | 90 | 29 | 34 | 5 | 36 | 5.17 | + 0.99 | 0.92 | 0 | 11 | ..... | ..... | ..... | A. O. Peterson. | |
| Fairfield..... | Jefferson..... | 780 | 29 | 61.6 | + 1.4 | 86 | 29 | 36 | 11 | 32 | 5.65 | + 0.37 | 1.28 | 0 | 13 | 15 | 7 | 9 | w. | R. M. McKenzie. |
| Fayette..... | Fayette..... | 1,003 | 23 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | R. Z. Latimer. | |
| Forest City..... | Winnebago..... | 1,226 | 19 | 56.5 | - 1.8 | 88 | 29 | 37 | 6 | 35 | 7.36 | + 2.97 | 2.20 | 0 | 11 | 13 | 6 | 12 | se. | J. A. Peters. |
| Fort Dodge..... | Webster..... | 1,126 | 13 | 58.2 | - 1.8 | 95 | 29 | 39 | 6 | 34 | 5.91 | + 1.36 | 1.40 | 0 | 8 | ..... | ..... | ..... | s. | J. F. Monk. |
| Fort Madison..... | Lee..... | 516 | 64 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.04 | + 1.64 | 1.50 | 0 | 11 | 4 | 9 | 18 | sw. | Miss L. A. McCready. |
| Gilman..... | Marshall..... | 1,052 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.91 | + 1.09 | 0.89 | 0 | 14 | ..... | ..... | ..... | F. L. Wylie. | |
| Grand Meadow..... | Clayton..... | 1,180 | 22 | 56.8 | - 1.3 | 85 | 28 | 33 | 10 | 31 | 6.41 | + 1.55 | 1.45 | 0 | 15 | 7 | 11 | 13 | sw. | F. L. Williams. |
| Grinnell..... | Poweshiek..... | 1,023 | 21 | 60.8 | + 1.1 | 91 | 29 | 36 | 11 | 34 | 5.28 | + 0.69 | 1.40 | 0 | 15 | 16 | 5 | 10 | w. | D. W. Brainard. |
| Grundy Center..... | Grundy..... | 976 | 22 | 59.5 | + 1.0 | 91 | 28 | 35 | 11 | 35 | 6.40 | + 1.24 | 1.67 | 0 | 13 | 12 | 9 | 10 | nw. | J. B. Calderwood. |
| Guthrie Center..... | Guthrie..... | 1,077 | 18 | 60.6 | - 0.0 | 95 | 29 | 35 | 6 | 37 | 6.11 | + 1.15 | 1.88 | 0 | 15 | 13 | 6 | 12 | nw. | D. G. Beardsley. |
| Hampton..... | Franklin..... | 1,155 | 23 | 57.8 | - 0.5 | 90 | 28 | 35 | 11 | 37 | 8.04 | + 3.46 | 1.51 | 0 | 11 | 8 | 12 | 11 | nw. | E. C. Grenelle. |
| Humboldt..... | Humboldt..... | 1,095 | 25 | 57.1 | - 2.3 | 91 | 29 | 31 | 11 | 43 | 5.56 | + 1.29 | 1.57 | 0 | 13 | 11 | 8 | 12 | e. | J. P. Peterson. |
| Independence..... | Buchanan..... | 921 | 49 | 58.4 | - 0.8 | 86 | 28 | 33 | 11 | 33 | 6.21 | + 2.05 | 1.35 | 0 | 13 | 16 | 4 | 11 | nw. | R. E. Dudley. |
| Indianola..... | Warren..... | 969 | 22 | 61.1 | + 0.4 | 93 | 29 | 39 | 11 | 31 | 5.64 | + 1.00 | 1.32 | 0 | 15 | 8 | 9 | 14 | sw. | Prof. J. L. Tilton. |
| Iowa City..... | Johnson..... | 683 | 53 | 59.6 | - 0.7 | 88 | 28 | 31 | 10 | 39 | 6.91 | + 2.54 | 1.25 | 0 | 14 | 11 | 6 | 14 | sw. | Prof. A. G. Smith. |
| Iowa Falls..... | Hardin..... | 1,170 | 20 | 56.6 | - 2.1 | 90 | 29 | 35 | 6 | 39 | 6.06 | + 1.86 | 1.32 | 0 | 11 | 14 | 3 | 14 | nw. | D. F. Parmelee. |
| Jefferson..... | Greene..... | 1,052 | 14 | 59.4 | ..... | 93 | 29 | 39 | 6 | 37 | 8.73 | + 3.72 | 1.55 | 0 | 17 | 7 | 10 | 14 | se. | Ora M. Hall. |
| Keokuk..... | Lee..... | 614 | 42 | 63.4 | + 0.2 | 90 | 31 | 36 | 11 | 32 | 3.87 | - 0.48 | 1.46 | 0 | 13 | 11 | 9 | 11 | s. | U. S. Weather Bureau. |
| Keosauqua..... | Van Buren..... | 644 | 21 | 61.6 | - 1.0 | 89 | 29 | 37 | 11 | 40 | 4.93 | + 0.56 | 1.07 | 0 | 14 | ..... | ..... | ..... | J. H. Landes. | |
| Knoxville..... | Marion..... | 920 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Casey and Belville. | |
| Lacona..... | Warren..... | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.01 | - 1.21 | 0.66 | 0 | 13 | 7 | 19 | 5 | ..... | J. B. Alter. |
| Lansing..... | Allamakee..... | 632 | 8 | 58.6 | ..... | 87 | 1 | 32 | 10 | 40 | 6.15 | ..... | 1.55 | 0 | 17 | ..... | ..... | ..... | w. | Chas. R. Serene. |
| Le Claire..... | Scott..... | 576 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.61 | + 1.82 | 1.50 | 0 | 17 | ..... | ..... | ..... | Miss M. T. Disney. | |
| Marshalltown..... | Marshall..... | 947 | 21 | 60.3 | + 0.6 | 94 | 29 | 36 | 11 | 36 | 6.18 | + 1.45 | 1.75 | 0 | 18 | 8 | 7 | 16 | se. | Jacob Eige. |
| Mason City..... | Cerro Gordo..... | 1,132 | 16 | 57.4 | - 1.0 | 94 | 30 | 32 | 10 | 40 | 6.26 | + 1.60 | 1.13 | 0 | 10 | 9 | 11 | 11 | nw. | Dr. Roy Desart. |
| Monroe..... | Jasper..... | 922 | 1 | 60.3 | ..... | 90 | 29 | 36 | 11 | 36 | 6.51 | ..... | 1.60 | 0 | 15 | 14 | 6 | 11 | s. | J. A. Dibel. |
| Mount Pleasant..... | Henry..... | 729 | 32 | 62.2 | 0.0 | 86 | 28 | 35 | 11 | 31 | 6.51 | + 2.33 | 2.19 | 0 | 15 | 15 | 6 | 10 | sw. | J. W. Edwards. |
| Muscatine..... | Muscatine..... | 554 | 53 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.43 | + 2.05 | 1.23 | 0 | 15 | ..... | ..... | ..... | William Mols. | |
| New Hampton..... | Chickasaw..... | 1,169 | 16 | 56.6 | - 1.3 | 88 | 28 | 35 | 11 | 36 | 5.53 | + 0.89 | 1.05 | 0 | 12 | 15 | 3 | 13 | s. | A. F. Kemman. |
| Nora Springs..... | Floyd..... | 1,064 | ..... | 57.6 | ..... | 90 | 29 | 35 | 6 | 36 | 7.55 | ..... | 1.44 | 0 | 15 | 12 | 10 | 9 | s. | Arthur Betts. |
| Northwood..... | Worth..... | 1,122 | 17 | 55.6 | - 2.3 | 90 | 29 | 33 | 10 | 38 | 6.93 | + 1.95 | 1.35 | 0 | 15 | 9 | 3 | 19 | sw. | Chas. H. Dwelle. |
| Olin..... | Jones..... | 760 | 15 | 59.9 | - 0.1 | 88 | 28 | 32 | 11 | 35 | 8.29 | + 3.80 | 2.05 | 0 | 13 | 11 | 12 | 8 | nw. | Dr. F. W. Port. |
| Osage..... | Mitchell..... | 1,184 | 26 | 57.1 | - 0.0 | 90 | 29 | 33 | 10 | 38 | 7.18 | + 2.42 | 1.35 | 0 | 10 | 13 | 6 | 12 | s. | Lester Coonrad. |
| Oskaloosa..... | Mahaska..... | 843 | 37 | 58.8 | - 1.6 | 89 | 29 | 36 | 11 | 35 | 4.95 | + 1.27 | 1.61 | 0 | 14 | 14 | 6 | 11 | sw. | Joseph Boyd. |
| | | | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 5—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|---------------------|-----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|--------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Indiana. | | | | | | | | | | | | | | | | | | | | |
| Collegeville..... | Jasper..... | 716 | 14 | 60.5 | - 0.6 | 86 | 4 | 27 | 10 | 42 | 6.67 | + 2.40 | 2.17 | 0 | 8 | 15 | 7 | 9 | sw. | Otto Miller. |
| Knox..... | Starke..... | 810 | 17 | 58.4 | + 0.1 | 86 | 2 | 28 | 11 | 38 | 5.82 | ..... | 2.37 | 0 | 13 | 15 | 13 | 3 | nw. | W. R. R. Tatman. |
| Laporte..... | Laporte..... | 790 | 10 | 58.9 | ..... | 83 | 2 | 29 | 11 | 35 | 5.57 | + 0.27 | 2.20 | 0 | 13 | 12 | 10 | 9 | sw. | Wm. M. Walton, jr. |
| Plymouth..... | Marshall..... | 726 | 20 | 59.6 | 0 | 84 | 2 | 30 | 10 | 32 | 5.61 | + 1.81 | 2.13 | 0 | 11 | 13 | 15 | 3 | sw. | J. W. Siders. |
| South Bend..... | St. Joseph..... | 726 | 20 | 59.6 | 0 | 84 | 2 | 30 | 10 | 32 | 5.61 | + 1.81 | 2.13 | 0 | 14 | 12 | 14 | 5 | s. | Henry H. Swaim. |
| Illinois. | | | | | | | | | | | | | | | | | | | | |
| Aledo..... | Mercer..... | 738 | 13 | 61.4 | + 0.1 | 87 | 28† | 34 | 10 | 35 | 5.62 | + 1.43 | 1.17 | 0 | 14 | 11 | 10 | 10 | s. | William B. Frew. |
| Alexander..... | Morgan..... | 670 | 20 | 64.2 | + 0.4 | 94 | 31 | 34 | 10† | 39 | 0.66 | - 3.40 | 0.42 | 0 | 6 | 10 | 10 | 11 | sw. | George H. Hall. |
| Antioch..... | Lake..... | 861 | 12 | 57.0 | - 0.3 | 85* | 1† | 28 | 11 | 36* | 5.47 | + 1.44 | 1.68 | 0 | 9 | 8 | 11 | 12 | w. | J. C. James. |
| Astoria..... | Fulton..... | 650 | 14 | 62.2 | + 0.1 | 90 | 29 | 33 | 10 | 34 | 1.63 | + 1.97 | 0.50 | 0 | 8 | 12 | 8 | 11 | s. | Edward V. Bohl. |
| Aurora..... | Kane..... | 678 | 34 | 58.5 | - 0.6 | 84 | 2 | 32 | 11 | 38 | 7.01 | + 2.83 | 1.77 | 0 | 13 | 19 | 6 | 6 | e. | Miss Alice M. Holden. |
| Beardstown..... | Cass..... | 448 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.05 | - 3.00 | 0.45 | 0 | 5 | ..... | ..... | ..... | ..... | Mrs. L. M. Rice. |
| Bement..... | Platt..... | 700 | 6 | 64.4* | ..... | 94* | 31 | 32 | 10† | 38* | 0.54 | ..... | 0.48 | 0 | 3 | 21 | 5 | 5 | s. | N. N. Stevenson. |
| Bloomington..... | McLean..... | 840 | 22 | 63.4 | + 0.2 | 90 | 31 | 30 | 11 | 38 | 2.88 | - 1.62 | 0.97 | 0 | 6 | 18 | 3 | 10 | ne. | Prof. H. N. Pearce. |
| Cairo..... | Alexander..... | 359 | 41 | 68.4 | + 0.9 | 96 | 1 | 40 | 10 | 29 | 0.87 | - 2.96 | 0.63 | 0 | 4 | 10 | 11 | 10 | sw. | U. S. Weather Bureau. |
| Camp Point..... | Adams..... | 732 | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.38 | ..... | 1.28 | 0 | 9 | 12 | 13 | 6 | se. | Capt. D. M. Morris. |
| Carbondale..... | Jackson..... | 412 | 8 | 67.2 | ..... | 97 | 31 | 39 | 7 | 41 | 2.10 | - 1.32 | 0.65 | 0 | 8 | 18 | 7 | 6 | sw. | State Normal University. |
| Carlinville..... | Macoupin..... | 663 | 23 | 65.9 | + 1.6 | 96 | 30 | 36 | 24 | 45 | 1.23 | - 2.93 | 0.64 | 0 | 5 | 15 | 9 | 7 | s. | Blackburn College. |
| Carlyle..... | Clinton..... | 470 | 28 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.20 | - 2.97 | 0.80 | 0 | 3 | ..... | ..... | ..... | ..... | Hervey O. Jones. |
| Chester..... | Randolph..... | 380 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.20 | - 2.04 | 0.96 | 0 | 10 | ..... | ..... | ..... | ..... | Charles S. Gollon. |
| Clinton..... | Dewitt..... | 727 | 3 | 63.0 | ..... | 90 | 31 | 32 | 11 | 35 | 1.54 | ..... | 0.58 | 0 | 7 | 13 | 11 | 7 | sw. | J. Frank Ziegler. |
| Cobden..... | Union..... | 656 | 30 | 67.9 | + 0.9 | 96 | 31 | 42 | 10† | 37 | 1.91 | - 2.47 | 0.70 | 0 | 5 | 21 | 2 | 8 | sw. | John Buck. |
| Dakota..... | Stephenson..... | 929 | 8 | 57.4 | ..... | 87 | 1 | 28 | 10 | 36 | 7.27 | ..... | 2.20 | 0 | 17 | 10 | 11 | 10 | nw. | Elmer G. Smith. |
| Decatur..... | Macon..... | 685 | 22 | 64.8 | + 1.3 | 94 | 31 | 33 | 10 | 39 | 1.12 | - 2.82 | 0.50 | 0 | 8 | 14 | 12 | 5 | sw. | Prof. J. H. Coonradt. |
| Dixon..... | Lee..... | 725 | 23 | 59.8 | - 0.2 | 91 | 28 | 31 | 10† | 38 | 5.27 | + 0.47 | 1.10 | 0 | 14 | 13 | 2 | 16 | ..... | H. U. Bardwell. |
| Duquoin..... | Perry..... | 459 | 25 | 67.6 | + 0.3 | 96 | 30 | 40 | 12 | 38 | 1.22 | - 2.43 | 0.43 | 0 | 6 | 16 | 11 | 4 | sw. | G. H. Knetzger. |
| Dwight..... | Livingston..... | 600 | 20 | 60.7 | - 0.6 | 88 | 28† | 28 | 10 | 36 | 5.97 | + 2.28 | 3.04 | 0 | 11 | 11 | 6 | 14 | ne. | Edward O. Welch. |
| East St. Louis..... | St. Clair..... | 481 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.55 | ..... | 0.73 | 0 | 7 | ..... | ..... | ..... | ..... | W. McK. Brown. |
| Edwardsville..... | Madison..... | 554 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.84 | - 1.54 | 1.00 | 0 | 3 | ..... | ..... | ..... | ..... | W. H. Morgan. |
| Elgin..... | Kane..... | 716 | 6 | 58.8 | ..... | 84 | 2 | 31 | 11 | 36 | 5.90 | ..... | 2.10 | 0 | 11 | 13 | 8 | 10 | nw. | Elgin Observatory. |
| Ewing..... | Franklin..... | 449 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.42 | ..... | 0.87 | 0 | 6 | ..... | ..... | ..... | ..... | Ewing College. |
| Fairview..... | Fulton..... | 733 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.13 | ..... | 0.49 | 0 | 11 | ..... | ..... | ..... | ..... | Abram Wilson. |
| Galva..... | Henry..... | 842 | 21 | 60.4 | - 0.8 | 89 | 28 | 32 | 10† | 40 | 4.64 | + 0.60 | 1.05 | 0 | 16 | ..... | ..... | ..... | ..... | Prof. F. U. White. |
| Grafton..... | Jersey..... | 422 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.56 | - 3.20 | 0.35 | 0 | 5 | ..... | ..... | ..... | ..... | R. C. Goodrich. |
| Greenville..... | Bond..... | 635 | 35 | 67.3 | + 3.0 | 96 | 30 | 40 | 10† | 39 | 1.04 | - 3.41 | 0.79 | 0 | 5 | 19 | 10 | 2 | s. | H. W. Reidemann. |
| Griggsville..... | Pike..... | 650 | 28 | 65.0* | + 0.8 | 92* | 29† | 38* | 11 | 35* | 1.22 | - 3.48 | 0.52 | 0 | 10 | 16 | 5 | 10 | nw. | George F. Kneeland. |
| Havana..... | Mason..... | 475 | 21 | 64.3 | + 0.1 | 91 | 29† | 33 | 11 | 43 | 1.90 | - 1.79 | 0.60 | 0 | 8 | 12 | 7 | 12 | w. | L. L. Eutenener. |
| Henry..... | Marshall..... | 500 | 25 | 61.6 | + 0.4 | 87 | 28 | 32 | 11 | 35 | 4.15 | - 0.10 | 0.95 | 0 | 13 | 14 | 5 | 12 | ne. | Dr. F. A. Powell. |
| Hillsboro..... | Montgomery..... | 675 | 19 | 65.8 | + 1.0 | 94 | 31 | 39 | 10 | 39 | 1.27 | - 2.99 | 0.38 | 0 | 6 | ..... | ..... | ..... | ..... | Ira L. Woodward. |
| Joliet..... | Will..... | 609 | 22 | 58.4 | - 2.2 | 86 | 2 | 29 | 11 | 40 | 5.21 | + 1.26 | 2.07 | 0 | 9 | 16 | 4 | 11 | sw. | F. M. Muhlig. |
| Kishwaukee..... | Winnebago..... | 730 | 25 | 57.2 | - 1.1 | 86 | 1 | 29 | 11 | 37 | 5.52 | + 1.43 | 2.07 | 0 | 17 | 13 | 8 | 10 | sw. | George Stevens. |
| LaGrange..... | Cook..... | 657 | 21 | 58.7 | + 0.2 | 86 | 2 | 30 | 11 | 35 | 5.28 | + 1.44 | 1.63 | 0 | 9 | 14 | 10 | 7 | sw. | Prof. F. E. Sanford. |
| La Harpe..... | Hancock..... | 698 | 34 | 62.1 | - 0.8 | 90 | 28† | 34 | 10† | 38 | 3.53 | - 0.60 | 0.98 | 0 | 11 | 16 | 12 | 3 | sw. | George E. Campbell. |
| Lanark..... | Carroll..... | 883 | 24 | 57.8 | - 1.1 | 88 | 28 | 31 | 10 | 36 | 6.94 | + 2.42 | 1.71 | 0 | 15 | 13 | 8 | 10 | sw. | M. N. Wertz. |
| La Salle..... | LaSalle..... | 536 | 8 | 60.7 | - 0.1 | 90 | 28 | 34 | 11 | 34 | 4.45 | + 0.53 | 1.16 | 0 | 12 | 10 | 8 | 13 | sw. | U. S. Weather Bureau. |
| Lincoln..... | Logan..... | 575 | 25 | 63.4 | + 0.4 | 92 | 31 | 32 | 10 | 44 | 2.15 | - 1.61 | 0.75 | 0 | 7 | 16 | 8 | 7 | s. | Prof. C. S. Oglevee. |
| Macomb..... | McDonough..... | 700 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.75 | ..... | 0.85 | 0 | 12 | ..... | ..... | ..... | ..... | State Normal University. |
| Manteno..... | Kankakee..... | 711 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.87 | ..... | 1.75 | 0 | 13 | 17 | 8 | 6 | ne. | J. F. Schmeltzer. |
| Martinton..... | Iriquois..... | 633 | 26 | 61.6 | + 0.8 | 90 | 28 | 29 | 10 | 45 | 5.79 | + 0.94 | 2.00 | 0 | 6 | ..... | ..... | ..... | ..... | Joseph H. Peltier. |
| Mascoutah..... | St. Clair..... | 425 | 23 | 65.8 | + 1.1 | 98 | 30 | 38 | 7 | 40 | 1.26 | - 3.40 | 0.55 | 0 | 5 | 18 | 11 | 2 | s. | Dr. Robert F. Lischer. |
| Minonk..... | Woodford..... | 745 | 20 | 61.6 | - 0.9 | 89 | 28† | 30 | 10 | 39 | 5.29 | + 1.43 | 1.46 | 0 | 10 | 14 | 9 | 8 | nw. | John C. Danforth. |
| Monmouth..... | Warren..... | 784 | 21 | 61.6 | - 0.8 | 89 | 28† | 33 | 11 | 35 | 6.07 | + 2.15 | 1.00 | 0 | 14 | 16 | 1 | 14 | s. | Dr. J. C. Hutchinson. |
| Morris..... | Grundy..... | 518 | 2 | 59.7 | ..... | 87 | 28 | 28 | 10 | 38 | 6.13 | ..... | 1.63 | 0 | 9 | 14 | 7 | 10 | e. | E. G. Cryder. |
| Morrison..... | Whiteside..... | 685 | 19 | 59.8 | - 0.5 | 91 | 28 | 31 | 10† | 36 | 6.01 | + 1.31 | 1.53 | 0 | 15 | 13 | 7 | 11 | ne. | S. A. Maxwell. |
| Morrisonville..... | Christian..... | 621 | 14 | 64.1 | + 0.6 | 91 | 31 | 35 | 10† | 40 | 1.02 | - 2.32 | 0.35 | 0 | 6 | 13 | 12 | 6 | s. | J. D. Lewis. |
| Mount Vernon..... | Jefferson..... | 511 | 19 | 65.2 | - 0.8 | 92 | 30 | 43 | 10† | 37 | 1.89 | - 1.87 | 0.52 | 0 | 5 | 16 | 6 | 9 | s. | Theodore P. Stelle. |
| Nashville..... | Washington..... | 503 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.78 | - 1.37 | 0.56 | 0 | 6 | ..... | ..... | ..... | ..... | H. M. Potter. |
| Oregon..... | Ogle..... | 702 | 4 | 59.3 | ..... | 87 | 1 | 29 | 10 | 34 | 5.19 | ..... | 2.00 | 0 | 12 | 12 | 5 | 14 | s. | Samuel Ray. |
| Ottawa..... | LaSalle..... | 500 | 27 | 61.4 | - 0.1 | 89 | 28 | 31 | 11 | 41 | 6.71 | + 2.41 | 1.56 | 0 | 9 | 15 | 1 | 15 | sw. | Miss Maude M. Harris. |
| Pana..... | Christian..... | 692 | 27 | 64.7 | + 1.4 | 92 | 30 | 34 | 10 | 36 | 0.79 | - 3.38 | 0.42 | 0 | 5 | 21 | 7 | 3 | ..... | Dr. G. N. Gilbert. |
| Pawpaw..... | Lee..... | 930 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.37 | ..... | 1.33 | 0 | 14 | ..... | ..... | ..... | ..... | A. C. McBride. |
| Peoria..... | Peoria..... | 609 | 57 | 62.4 | + 0.7 | 90 | 29 | 35 | 10 | 34 | 1.85 | - 2.41 | 0.53 | 0 | 12 | 11 | 8 | 12 | s. | U. S. Weather Bureau. |
| Pontiac..... | Livingston..... | 546 | 11 | 62.4 | 0.0 | 89 | 28† | 31 | 10† | 38 | 7.54 | + 3.00 | 1.91 | 0 | 10 | 13 | 7 | 11 | sw. | George Butterworth. |
| Quincy..... | Adams..... | 481 | 7 | 65.3 | ..... | 92 | 31 | 39 | 10 | 37 | 2.90 | ..... | 0.49 | 0 | 12 | ..... | ..... | ..... | ..... | Fred Brinkoetter. |
| Riley..... | McHenry..... | 956 | 54 | 57.1 | - 0.5 | 84 | 2 | 30 | 10 | 35 | 5.63 | + 1.97 | 1.65 | 0 | 18 | 8 | 11 | 12 | sw. | John West James. |
| Roberts..... | Ford..... | 774 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.65 | ..... | 0 | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 5, Upper Mississippi Valley.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|-----------------|--------------|---------------|------|------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|--------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
| North Dakota. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amenia | Red. | | | .22 | | | | | | | | | | | | .23 | .12 | | | | .38 | T. | | | T. | | | | | | | | 0.95 | | |
| Bottineau | Mouse. | | | .02 | T. | | .01 | | | | | .12 | | | | .24 | .10 | T. | T. | | .20 | .15 | T. | .10 | | | | .02 | | .07 | .02 | T. | .04 | 1.09 | |
| Bowbells. | do. | | | | .03 | | | | | | | .03 | .33 | | | .20 | .05 | .07 | .17 | .10 | | .27 | .15 | | | | | | | | | | 1.40 | | |
| Cando | Sheyenne | | | .02 | | | | | | | .04 | .02 | | | .07 | | | | | | .10 | | | .45 | | | | | | .65 | .18 | | .35 | 1.88 | |
| Crosby | Mouse. | | .06 | | | | | | | | | .37 | | | .34 | .10 | .14 | | T. | T. | .12 | .19 | | | | | | | | | | | .07 | 1.54 | |
| Devils Lake | Sheyenne | | .01 | T. | | T. | | | | | .03 | | | | .02 | .07 | | | T. | | .08 | | .03 | .03 | | T. | .15 | | | .27 | .08 | | .26 | 0.88 | |
| Donnybrook | Mouse. | | | T. | T. | T. | | T. | | | | .13 | | | .26 | .16 | | | .18 | * | .61 | | | | | | | | | | | | .65 | 1.99 | |
| Dunseith | do. | | | .02 | T. | T. | .02 | | | | T. | | .02 | | .04 | .06 | T. | | | T. | .30 | .01 | | .56 | | | | | | .14 | .01 | | .33 | 1.51 | |
| Eckman | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fessenden | James. | | | T. | T. | | T. | | T. | | T. | | | | | .05 | .03 | .01 | | | .25 | .03 | | .25 | | | | | | | .34 | | | 0.96 | |
| Forman | Sheyenne | .17 | .08 | .04 | | | | .03 | | | | .02 | | | .36 | .02 | .17 | .73 | | | .20 | .50 | | .10 | | | | | | .02 | | .83 | 3.27 | | |
| Grafton | Red. | | | .30 | | | .03 | | .06 | | | | | | | .05 | .03 | | | | | .68 | | | | | | .01 | | .03 | | | | | |
| Granville | Mouse. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hannah | Pembina. | | | | | | | | | | T. | | T. | | | .11 | .31 | .02 | .30 | | .05 | | | .03 | | | | | | .06 | | | .31 | 1.19 | |
| Hansboro | Red. | | | | | | | | | | | | T. | | .03 | .35 | | .11 | | | .28 | | .17 | | | | | | .22 | .32 | | | .20 | 1.68 | |
| Hillsboro | do. | | .11 | .06 | | | | | | | | | | | .11 | .14 | | .01 | | | .17 | .04 | | .18 | | | | | | | .38 | | .18 | 1.38 | |
| Lakota | Sheyenne | | .10 | | | | | .15 | | | | .03 | | | | .05 | | .10 | | | .03 | | | .13 | | | | | | .37 | | | .35 | 1.31 | |
| Langdon | Pembina. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larimore | Red. | | | .33 | | .13 | | | | | | | | | | .08 | .23 | | .05 | | .05 | .04 | | .17 | | | | | | | .31 | .37 | .05 | 1.81 | |
| Lisbon | Sheyenne | .09 | T. | .24 | | | | | | | | | | | | .50 | | .25 | .37 | .05 | .80 | .02 | .15 | | | | | | | | | | | 2.47 | |
| McKinney | Mouse. | | | | | | | | | | | | | | | .31 | T. | | | | | .55 | .15 | | | T. | | | | | | | | 1.01 | |
| McLeod | Sheyenne | .12 | .14 | .02 | | | | | | | | | | | | .24 | .11 | | .30 | | .19 | .43 | .02 | .09 | | | | | | | | | | 1.93 | |
| Manfred | do. | | T. | T. | T. | | T. | | | | T. | | | | .10 | T. | | | | | .22 | .22 | | .20 | | | | | | .90 | .10 | | .34 | 2.08 | |
| Mayville | Red. | | | .21 | | | | | | | | | | | .10 | .31 | .04 | | | | | .12 | .02 | | .23 | | | | | | | | | 1.81 | |
| Milnor | do. | .14 | .14 | .05 | | | | .07 | | | | .16 | | | | .30 | .04 | .42 | | .15 | .43 | | .11 | | | | | | | | | .50 | | .67 | 2.68 |
| Minot | Mouse. | | | | | | | | T. | | | | .06 | | | .09 | .54 | .03 | .09 | .01 | | .50 | .09 | | T. | | | | | | | | .21 | 1.62 | |
| Minto | Red. | | .09 | .23 | | .08 | | .08 | | | .03 | | .02 | | | .10 | | | | | .02 | | | | | | | | | | .30 | .25 | | .28 | 1.53 |
| Oriska | Sheyenne | | .15 | | .03 | | | | | | | | | | T. | .44 | .03 | .03 | | | .40 | .01 | | .15 | | | | | | | .01 | | | 1.19 | |
| Park River | Red. | | .05 | .17 | | | | | | | .02 | | .02 | | | .01 | .02 | | | | .05 | .05 | | .01 | | | | | | | .12 | .52 | | .15 | 1.43 |
| Pembina | do. | | | .05 | | | | | | | | | | | | T. | T. | | | | | .02 | | | | | | | | | .10 | .42 | | .09 | 0.59 |
| Power | Sheyenne | .26 | | | T. | | | | | | T. | | | | | .26 | .36 | | T. | .54 | T. | | .20 | | | | | | | | | .39 | | .21 | 2.22 |
| Towner | Mouse. | | | .09 | | T. | | | | | .02 | .02 | | | | .18 | .10 | | | | | | | .20 | | | | | | | | | | .24 | 1.39 |
| University | Red. | | .12 | .10 | T. | T. | .10 | | .18 | | | | | | .07 | .10 | .06 | | | | T. | .06 | | .03 | | | | T. | | | .20 | .23 | T. | .43 | 1.48 |
| Wahpeton | do. | .10 | .03 | .18 | | | | | | | | | | | | .42 | .15 | | T. | | .60 | .02 | | .07 | | | | | | | | | | | 1.57 |
| Wallhalla | Pembina. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Westhope | Mouse. | | | | .01 | | | | | | .21 | .07 | | | .24 | .75 | | .03 | | | .42 | | | .04 | | | | | | | | | | | 1.87 |
| Willow City | do. | | | T. | T. | | | | | | .03 | .10 | | | .01 | | | .08 | | | .02 | .30 | .05 | | | | | | .02 | T. | | | .55 | 1.16 | |
| Minnesota. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albert Lea | Mississippi. | | .25 | 1.25 | | | | T. | | | | | | .80 | .30 | .75 | 1.00 | | | .80 | | | .60 | | | | | .10 | | | | | 5.85 | | |
| Alexandria | do. | | .75 | .14 | | | | .12 | .15 | | | | .08 | | | 1.78 | .12 | .03 | | | 1.05 | .34 | | | | | | | | | | | | 4.59 | |
| Angus | Red. | | .18 | | .06 | .07 | | .15 | | | | | T. | | .22 | | | | | | .04 | .03 | | | | | | | | | .03 | .03 | | .40 | 1.18 |
| Bagley | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baudette | Rainy. | .03 | .04 | .23 | .06 | | | .23 | | | | .01 | .09 | | .09 | .99 | .39 | .09 | .12 | | | .97 | .12 | | T. | | .23 | | | | | | | 2.15 | |
| Beardsley | Minnesota. | .14 | .38 | .12 | | | | | | | | | | .09 | .99 | .39 | .09 | .12 | | | .88 | T. | .23 | | T. | | .23 | | | | | | | .22 | 4.51 |
| Bemidji | Mississippi. | .31 | .33 | | | | | | | | | | .08 | | .26 | .32 | | | | | | | | .35 | | T. | | | | | | | | 1.76 | |
| Bird Island | Minnesota. | .16 | T. | .38 | | .16 | | .09 | .48 | | | .09 | .10 | .27 | .48 | .03 | | | | .59 | .38 | .15 | | T. | | | | | | | | | | 3.52 | |
| Brainerd | Mississippi. | .02 | .37 | .04 | | | | .18 | | | | .28 | | .37 | .82 | .12 | .05 | | | | .51 | .25 | | | | | | | | | | | | .01 | 3.08 |
| Caledonia | do. | | | .10 | .63 | .16 | | | .31 | T. | | | | T. | | .65 | .44 | | .15 | | | .41 | .80 | | T. | | | | | .67 | | | | 4.66 | |
| Campbell | Red. | .21 | .20 | .50 | .06 | | | .15 | T. | | | .07 | | | .92 | .30 | .28 | T. | | | .77 | .10 | | .05 | | | | | | | | | | 3.73 | |
| Cass Lake | Mississippi. | .17 | | .80 | | | | | | | | .21 | | | .54 | .12 | | | | | .74 | .24 | | | | | | | | | | | | 3.41 | |
| Collegeville | do. | .04 | .22 | .17 | T. | | | .33 | | | | .16 | | .32 | .13 | .46 | | | | .17 | 1.71 | .19 | | | | | | | | | | | | 5.25 | |
| Crookston | Red. | | | .21 | | .03 | .05 | | | | | | | | .38 | .25 | | | | | .08 | .02 | | .03 | | | | | | | | | | 2.63 | |
| Detroit | do. | .28 | .05 | .35 | T. | | | T. | | | | | .25 | T. | | .55 | .35 | | | | .50 | .30 | | | | | | | | | | | | 4.92 | |
| Ely | Rainy. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fairmont (near) | Minnesota. | | 1.06 | .14 | | | | T. | .35 | | | | | | .88 | | .80 | | T. | | .66 | .16 | | .21 | | | | | | | | | | 4.92 | |
| Fairbault | Mississippi. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Farmington | do. | T. | | .68 | | | | .02 | .01 | | | | | | .72 | .87 | .25 | .15 | | | .12 | .36 | .05 | T. | | | | | | | | | | 3.48 | |
| Fergus Falls | do. | .16 | .43 | .16 | | | | .14 | | | | .31 | | | .62 | .46 | .42 | .02 | | | .02 | .34 | .20 | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 5—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|---------------------|--------------|---------------|------|------|------|------|-----|-----|-----|-----|----|-----|-----|-----|------|------|-----|------|-----|------|------|------|-----|-----|-----|------|------|------|------|------|-----|------|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Minnesota—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Paul. | Mississippi. | .01 | .46 | .03 | | | | .18 | | | | .13 | | .05 | .89 | .31 | .10 | .03 | | .28 | .33 | .04 | T. | | | | .08 | .03 | | T. | | | 2.95 | |
| St. Peter. | Minnesota. | | | .40 | | | | .15 | | | | | .05 | .65 | .25 | .65 | .10 | .20 | | .04 | .13 | .08 | | | .03 | .30 | | | | | | | 3.03 | |
| Sandy Lake Dam. | Mississippi. | | .37 | .12 | | .05 | | .15 | | | | | .31 | | .12 | .97 | .08 | | | | .75 | .44 | .02 | | | | | | | .10 | | T. | 3.48 | |
| State Sanatorium. | do. | .11 | .75 | | | T. | | .07 | | | | | .29 | | | 1.30 | .15 | .15 | | | | | T. | T. | | | | | | | | T. | 2.82 | |
| Stillwater. | St. Croix. | | | .55 | T. | | | | | .13 | | | .10 | | | 1.27 | T. | .27 | | | .65 | .30 | | | | | | T. | | | | T. | 3.27 | |
| Taylor Falls. | do. | T. | | .60 | | | | .15 | | | | | .10 | | | 1.18 | .05 | .12 | | .02 | .88 | .22 | | .10 | | | | | .14 | | | | 3.56 | |
| Thief River Falls. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tracy. | Minnesota. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Warren. | Red. | .11 | .11 | .20 | T. | | | .45 | | | | | | T. | T. | .20 | | | | | | | | | | | | | | | | .50 | 1.57 | |
| Warroad. | Rainy. | .35 | .20 | | | | | | | | T. | | | | | .22 | | | | | | | .20 | | | .05 | | | .04 | .23 | | .75 | 2.04 | |
| Winnabago. | Minnesota. | T. | 1.10 | T. | T. | | | | T. | .10 | | | | .30 | .44 | .50 | | .40 | T. | .01 | .60 | .15 | T. | | .18 | .20 | .35 | .02 | | | | | 4.17 | |
| Winnibigoshish. | Mississippi. | .17 | .25 | .37 | .17 | | | | T. | | | | .30 | | .44 | .50 | | .12 | | | .45 | .52 | T. | T. | .18 | .20 | .35 | .02 | | | .35 | .12 | 3.85 | |
| Winona. | do. | | .03 | .16 | .88 | T. | | .01 | .25 | | | | .11 | .50 | .25 | 1.06 | T. | .60 | | .18 | 1.23 | T. | T. | | .09 | .54 | .09 | | | T. | | | 5.98 | |
| Worthington. | Des Moines. | T. | .37 | .47 | | | | .18 | .37 | | | | | .80 | .48 | .26 | | .03 | | .10 | 1.30 | .06 | .02 | | | .30 | .31 | | | | .04 | | 5.09 | |
| Zumbrota. | Mississippi. | | .05 | .40 | | | | T. | T. | | | | T. | .18 | .40 | .55 | .12 | .45 | | .50 | .50 | T. | T. | | | .50 | .50 | | | | | | 3.65 | |
| South Dakota. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Milbank. | Minnesota. | T. | .36 | .45 | | | | .07 | .05 | | | | | T. | T. | .85 | .04 | .04 | T. | .23 | 1.13 | .41 | T. | | | | .23 | .11 | | | | | 3.97 | |
| Sisseton. | do. | | | | | | | | | | | | | | .10 | 1.10 | | .15 | | .30 | .65 | .12 | | | | | | | | | | | 2.42 | |
| Wisconsin. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Antigo \|\|. | Wisconsin. | | | 1.10 | .25 | .20 | | .22 | | | | | .15 | | T. | .92 | .32 | | | | .22 | .42 | T. | | | | | | .81 | .69 | .62 | | 5.92 | |
| Barron. | Chippewa. | .09 | .15 | .17 | | | | .04 | .10 | | | | .17 | | .42 | .73 | .26 | 1.20 | | | 1.02 | .48 | .03 | | | | | | .78 | | | | 5.04 | |
| Beloit. | Rock. | | .20 | | .10 | 1.05 | | .05 | .07 | | | | .14 | .03 | .20 | .25 | | | | .36 | .64 | .75 | | | | | 1.80 | | | | | | 6.12 | |
| Big St. Germ'n Dam. | Wisconsin. | .03 | .07 | .32 | | | | .08 | | | | | .14 | .03 | .20 | .25 | .14 | .51 | | | .99 | .13 | T. | | | | | | .05 | | | | 3.83 | |
| Brodhead. | Rock. | | .10 | .13 | 1.19 | | | .05 | .07 | | | | T. | .73 | .12 | .20 | | | | | 1.33 | .80 | | | | | 2.05 | | | | | | 6.77 | |
| Burnett. | do. | | .19 | .85 | | | | T. | .20 | | | | * | .56 | | .21 | | T. | | | 1.37 | .76 | T. | .04 | T. | | .66 | T. | .60 | .36 | | | 5.80 | |
| Cornell. | Chippewa. | .18 | .06 | .20 | | | | .19 | | | | | .22 | | .11 | .93 | .20 | .28 | | .01 | 1.06 | .12 | | | .21 | | | | .03 | .39 | | | 4.19 | |
| Cottage Grove. | Rock. | | .05 | .21 | 1.20 | | | .06 | | | | | .14 | .03 | .20 | .25 | | | T. | 1.48 | .92 | T. | T. | | | | .81 | | .26 | .01 | .03 | | 6.34 | |
| Darlington. | do. | | | .60 | 1.03 | | | | .30 | | | | .10 | T. | .09 | T. | .74 | | | .70 | .19 | .05 | | | | 2.00 | | | | | | | 7.98 | |
| Deerskin Dam. | Wisconsin. | T. | T. | .41 | | | | | | | | | .10 | T. | .09 | T. | .74 | | | .70 | .19 | .05 | | | | | .50 | | .55 | | | 3.33 | | |
| Delavan. | Rock. | | .15 | .01 | 1.06 | | | | .11 | | | | .03 | .70 | | .20 | | | | 1.12 | .62 | T. | | | | | 1.20 | | .02 | | | | 5.22 | |
| Dodgeville. | do. | | | | | | | | | | | | | | .20 | T. | .20 | | .20 | .40 | | | | | | | | | | | | | 2.42 | |
| Downing. | Chippewa. | | T. | .07 | .29 | | | T. | .05 | | | | .18 | .02 | .38 | .63 | .12 | .65 | | .10 | 1.04 | .02 | T. | T. | | | | | | | | | 4.47 | |
| Eau Claire. | do. | | T. | .13 | | | | .32 | | | | | | | .80 | .18 | | | | | .78 | .14 | | | | | | | | | | | 3.56 | |
| Glen Flora. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.46 |
| Grand Rapids \|\|. | Wisconsin. | | T. | .77 | .88 | | | .16 | .02 | | | | .13 | T. | .31 | 1.15 | T. | .23 | T. | T. | .80 | .77 | .07 | .01 | .05 | | | | .02 | 1.25 | .02 | | 6.64 | |
| Grantsburg. | St. Croix. | | | .80 | | | | .25 | | | | | | | | 1.00 | .50 | | | | 1.10 | | | | | | | | | | | | 3.75 | |
| Hancock. | Wisconsin. | | | 2.12 | .25 | | | .20 | | | | | .12 | .50 | .32 | 1.30 | T. | .35 | | | 1.05 | 1.05 | T. | | | | | .20 | | .08 | .90 | | 8.44 | |
| Hatfield. | Black. | | | .62 | | | | .24 | | | | | | | .45 | 1.25 | | | | | .92 | .72 | | | | | .11 | | .13 | .50 | | | 5.09 | |
| Hayward. | St. Croix. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13.75 | |
| Hillsboro. | Wisconsin. | | .15 | 2.58 | .18 | | T. | .25 | | | | | T. | .52 | .12 | .76 | | | | | 2.20 | .30 | T. | | T. | T. | .71 | T. | | | | | 7.77 | |
| Koepenick. | do. | | .40 | .50 | | | | .50 | | | | | .10 | | .60 | .50 | | | | | .60 | .40 | | | | .10 | | | .40 | | .80 | .20 | 5.10 | |
| La Crosse. | Mississippi. | | .67 | .16 | | | | .01 | .21 | | | | .02 | .55 | .88 | .10 | .26 | | | .46 | 1.46 | T. | T. | | | .18 | .26 | .38 | | | | | 5.60 | |
| Lake Mills. | Rock. | | T. | .07 | 1.48 | | | .04 | | | | | .02 | .98 | .04 | .41 | | | | T. | 2.48 | .58 | T. | | | | | .89 | | .10 | .08 | T. | | 7.23 |
| Lancaster. | Mississippi. | | | 1.92 | .95 | | | .20 | | | | | | .86 | .14 | | | | | .18 | 1.75 | .29 | | | | | * | 1.25 | | | | | 8.02 | |
| Long Lake. | Wisconsin. | | .03 | .49 | .03 | | | .10 | | | | | .11 | T. | .18 | | | .57 | | | .79 | .14 | T. | | .01 | | | .10 | | .66 | .39 | | 3.60 | |
| Madison. | Rock. | | .11 | .99 | .62 | | T. | .04 | | | | | .03 | .89 | .28 | .08 | | | | .14 | 1.82 | .36 | T. | T. | | .08 | .77 | .41 | | .01 | | | T. | 6.63 |
| Marshfield. | Wisconsin. | | .77 | .01 | | | | .14 | | | | | .11 | .02 | 1.25 | .02 | .48 | T. | | 1.07 | .16 | .01 | | .14 | | | | | 2.00 | .04 | | | 6.22 | |
| Mather \|\|. | do. | | .07 | 1.07 | .56 | | | .21 | .05 | | | | .16 | | .50 | 1.19 | | .56 | | 1.04 | .76 | T. | | .03 | | | .28 | .07 | T. | .22 | | | 6.77 | |
| Mauston. | do. | | .20 | .25 | | | .25 | | | | | | .10 | .50 | .25 | .50 | | .10 | | 1.30 | 1.00 | | | | | | .80 | | | | | | 7.15 | |
| Meadow Valley. | do. | | | 1.57 | | | | | | | | | .14 | | .50 | .30 | .90 | | .30 | | 1.06 | .02 | | | .04 | | .07 | T. | | .45 | | | 5.70 | |
| Medford \|\|. | Black. | | | .40 | | | | .35 | | | | | | | | | | | | | | | | | | | | | | | | | 4.58 | |
| Merrill \|\|. | Wisconsin. | | | .36 | T. | | | .29 | | | | | | | .95 | T. | .40 | | | | .20 | 1.03 | | | | | | | | | | | 4.71 | |
| Minoqua. | do. | | .10 | .30 | .02 | | | .17 | | | | | .16 | | .37 | .55 | .13 | .63 | .02 | .10 | 1.15 | .01 | .02 | | .05 | | | | | | | | 4.41 | |
| Mondovi. | Mississippi. | | .10 | .38 | .02 | | | .17 | | | | | .16 | .17 | .37 | .55 | .13 | .63 | .02 | .10 | 1.15 | .01 | .02 | | .05 | | | | | | | | 4.50 | |
| Mount Horeb. | Rock. | | .23 | .50 | 1.21 | | | .12 | | | | | T. | .75 | .20 | .39 | | | | .22 | 2.01 | .47 | T. | | | T. | .98 | | | | | | 7.08 | |
| Muscoda \|\|. | Wisconsin. | | T. | .62 | 1.00 | .24 | | .09 | .05 | | | | | | .81 | .65 | | | | | .80 | 1.07 | .10 | | | | | .37 | | | | | 6.59 | |
| Neillsville. | Black. | | | .50 | | | | .20 | | | | | | | .95 | | | | | | .80 | .90 | | | | | | | | | | | 6.55 | |
| New Richmond. | St. Croix. | | .06 | .17 | | | | .06 | | | | | .13 | | .53 | .78 | .19 | .23 | .61 | .08 | .10 | | | | | | | | | | | | 2.99 | |
| Oscoda. | do. | | | | | | | | | | | | | | .85 | .60 | T. | | | .10 | .06 | .02 | T. | T. | | | </ | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 5—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|--------------------|--------------|---------------|------|------|------|------|---|-----|-----|-----|-----|-----|------|------|-------|------|-----|-----|------|------|------|------|-----|-----|-----|------|------|-----|-----|----|-----|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Iowa—Continued. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boone \|\| | Des Moines | | | .42 | 1.02 | .07 | | | | .51 | T. | | .12 | .52 | .72 | .73 | | .12 | | | .90 | .31 | T. | | | .68 | .28 | | | | | T. | 6.40 | |
| Britt | Iowa | .32 | 1.78 | .01 | | | | | .45 | | | | 1.20 | .84 | 1.12 | .01 | | .02 | 1.68 | .68 | .62 | .01 | | | | .23 | 1.27 | .01 | | | T. | T. | 10.25 | |
| Burlington \|\| | Mississippi | | | .40 | .70 | .80 | | | | .05 | .03 | | | .55 | .76 | | | .01 | .10 | | .94 | .42 | | | | .04 | .33 | | | | | T. | 4.22 | |
| Carroll \|\| | Raccoon | | 2.11 | .59 | | | | | | .76 | | | | .24 | 34.08 | | | .42 | | | | .51 | .62 | T. | | | .50 | .08 | | | .15 | | 7.63 | |
| Cedar Rapids \|\| | Cedar | | | .53 | .95 | .74 | | | | .25 | T. | | T. | T. | .79 | .85 | | .04 | | | | .62 | T. | | | T. | .70 | T. | | | | T. | 6.03 | |
| Charles City | do | .09 | .94 | .02 | | | | | .56 | | | | .01 | .73 | .74 | .05 | T. | | T. | .97 | .77 | | T. | | | .06 | .38 | .23 | | | | T. | 5.55 | |
| Clear Lake | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clinton | Mississippi | | .35 | .15 | 1.56 | T. | | | | .17 | | | .20 | .44 | .69 | .35 | | .23 | | .06 | 1.64 | .18 | | | | .21 | .84 | | | | | T. | 7.07 | |
| Columbus Junction. | Iowa | | .05 | 1.00 | 1.70 | | | | | .14 | | | | .55 | .28 | .35 | | .15 | T. | .55 | .49 | .15 | | | | .25 | | | | | .08 | | 5.74 | |
| Davenport | Mississippi | | .50 | .34 | 1.17 | | | | T. | .07 | | | .03 | .32 | .48 | .11 | | .30 | | .05 | .65 | .18 | | | .08 | .20 | .40 | | | | .01 | | 4.89 | |
| Decorah | do | | .35 | .85 | | | | .04 | .54 | | | | | .93 | .66 | .22 | | .30 | | .66 | .98 | | .03 | T. | | .03 | .16 | .43 | | | | | 5.67 | |
| Delaware | do | | .08 | 1.41 | .89 | | | | .07 | | | | | .74 | .43 | .47 | | | | .43 | 1.38 | .18 | | | | .16 | T. | | | | | | 7.67 | |
| Des Moines | Des Moines | | 1.62 | .17 | .08 | | | | .04 | .45 | | .06 | .02 | .53 | .67 | | .04 | T. | | .51 | .41 | .03 | T. | | .19 | .16 | T. | | | | | .08 | 5.06 | |
| Dubuque | Mississippi | | .10 | 1.33 | 1.30 | | | | .03 | | | | .07 | .60 | .54 | .34 | | | T. | .33 | 1.71 | .15 | T. | | | .29 | 1.41 | | | | | | 8.20 | |
| Earlham | Raccoon | | 1.65 | .21 | .02 | | | | T. | .49 | | | .26 | .65 | T. | .98 | | .13 | | .35 | .51 | .04 | | | | .05 | .32 | | | | .25 | T. | 5.91 | |
| Elkader | Mississippi | | .05 | | 2.10 | | | | .33 | | | | .05 | .79 | .13 | .37 | | | | .30 | 1.00 | | | | | .10 | 1.00 | | | | | | 6.13 | |
| Elma | Wapsipinicon | T. | .90 | .30 | .02 | | | T. | .30 | | | .02 | | .92 | 1.03 | .12 | T. | .03 | | .42 | 1.05 | .03 | | | | .12 | .22 | | | | | T. | 5.48 | |
| Estherville \|\| | Des Moines | | .92 | | | | | T. | | .60 | | | .60 | .50 | .35 | | .30 | | .10 | .75 | .15 | | | | | .40 | .50 | | | | | T. | 5.17 | |
| Fairfield | Skunk | | T. | 1.23 | 1.28 | .01 | | | .12 | | | | | .68 | 1.04 | | .08 | .07 | | .16 | .33 | .15 | | | | | .44 | | | | .06 | | T. | 5.65 |
| Fayette | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forest City \|\| | Cedar | | 1.25 | .42 | | | | | .54 | | | | | .40 | .95 | 1.25 | T. | | T. | | 1.65 | .22 | .02 | | .15 | | .51 | | | | | T. | 7.36 | |
| Fort Dodge \|\| | Des Moines | | 1.05 | .55 | | | | | .75 | | | | | .35 | | 1.25 | | | T. | | 1.40 | .53 | | | | | | | | | | .03 | 5.91 | |
| Fort Madison | Mississippi | | .38 | .43 | 1.50 | | | | .14 | | | | .22 | .42 | .45 | | | .23 | | .50 | .27 | | | | | | 1.50 | | | | | T. | 6.04 | |
| Gilman | Iowa | | .18 | .20 | .89 | | | | | .25 | | | .07 | .59 | .42 | .62 | | .55 | T. | .39 | .05 | T. | | | .15 | .20 | .35 | | | | | | 4.91 | |
| Grand Meadow | Mississippi | | .40 | 1.54 | .07 | | | .01 | .33 | | | | .06 | .60 | .30 | .34 | | .08 | T. | .37 | 1.65 | | .01 | | .05 | .06 | .56 | | | | | | T. | 6.41 |
| Grinnell | Iowa | | .34 | 1.40 | .48 | | | | .35 | | | | .06 | .92 | .13 | .45 | | | T. | .34 | .13 | .04 | | | .25 | .25 | | | | | .06 | T. | 5.28 | |
| Grundy Center | Cedar | | .73 | 1.67 | .10 | | | | .02 | | | | .62 | .37 | .37 | .02 | | | T. | .38 | .97 | .10 | | | | .14 | .91 | | | | | | 6.40 | |
| Guthrie Center | Raccoon | T. | 1.88 | .10 | | | | | .01 | .46 | | | .18 | .57 | .07 | .58 | T. | .08 | T. | .45 | 1.06 | T. | T. | | T. | .22 | .19 | | | | .23 | .03 | 6.11 | |
| Hampton | Cedar | | .26 | 1.02 | | | | | .50 | | | | .80 | 1.26 | .75 | | | | T. | .70 | .92 | | | | .33 | 1.45 | .05 | | | | | | 8.04 | |
| Humboldt | Des Moines | | .24 | 1.57 | .02 | | | | .64 | | | | .68 | .61 | .66 | | | .04 | .53 | .40 | .01 | | | | .15 | | | | | | | .01 | 5.56 | |
| Independence | Wapsipinicon | | .03 | 1.35 | .30 | | | | | | | | .85 | .47 | .45 | | .01 | .01 | .37 | 1.00 | .05 | T. | | | .30 | 1.02 | | | | | | T. | 6.21 | |
| Indianola | Des Moines | | 1.32 | .30 | .25 | | | | .26 | | | | .54 | .55 | .18 | .19 | | .12 | | .35 | .10 | .03 | | | | .12 | .25 | | | | | T. | 5.64 | |
| Iowa City \|\| | Iowa | | | .37 | 1.17 | .89 | | | .10 | T. | | | .02 | .33 | 1.25 | .95 | T. | .14 | | | .26 | .76 | T. | | | .18 | .43 | | | | | .06 | 6.91 | |
| Iowa Falls \|\| | do | | .71 | .97 | .16 | | | | T. | .31 | | | .12 | .80 | .23 | T. | T. | | T. | 1.32 | .48 | | | T. | | .18 | .78 | | | | | T. | 6.06 | |
| Jefferson | Raccoon | 1.55 | 1.15 | .06 | T. | | | | .01 | .61 | | | .02 | .75 | .65 | 1.13 | T. | .28 | .28 | .78 | .82 | .01 | | | T. | .44 | .08 | | | | .11 | T. | 8.73 | |
| Keokuk | Mississippi | | .20 | .64 | 1.01 | | | | .09 | | | | .04 | .17 | .02 | .43 | | .26 | | .23 | .35 | .01 | | | T. | .42 | | | | | | | 3.87 | |
| Keosauqua \|\| | Des Moines | | | .44 | .94 | 1.07 | | | .06 | .10 | | | .34 | .05 | .23 | .30 | | .16 | | | .18 | .39 | | | | .02 | .65 | | | | | | 4.93 | |
| Knoxville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lacota | do | | .62 | .48 | | | | | | | | | .30 | .66 | .25 | | | .02 | | .60 | .18 | .10 | | | | .12 | .50 | | | | | .02 | 4.01 | |
| Lansing | Mississippi | | .09 | 1.55 | .66 | | | | .23 | T. | | | .03 | .80 | .12 | .31 | .01 | | .02 | .20 | 1.47 | | | | .01 | .56 | .02 | .03 | .04 | | | | T. | 6.15 |
| Le Claire \|\| | do | | .01 | .48 | .41 | 1.00 | | | .09 | .01 | | | .19 | .06 | .67 | .35 | | .13 | .01 | T. | .08 | 1.50 | T. | | | .21 | .40 | | | | | | T. | 5.61 |
| Marshalltown \|\| | Iowa | | .05 | 1.75 | .42 | .03 | | | T. | .16 | .02 | | .07 | .12 | .99 | .43 | | .18 | | T. | .72 | .37 | .02 | .01 | | .30 | .52 | | | | | .02 | 6.18 | |
| Mason City | Cedar | | .15 | 1.06 | .16 | | | | .75 | | | | .13 | .42 | .49 | | | T. | | .95 | .50 | | | | | .65 | | | | | | | 6.26 | |
| Monroe | Skunk | | .08 | 1.60 | .40 | | | | .35 | | | | .14 | 1.38 | .14 | .88 | T. | T. | T. | .35 | .11 | .18 | T. | T. | | .56 | .11 | | | | .14 | .09 | T. | 6.51 |
| Mount Pleasant | do | | .16 | .90 | 2.19 | .01 | | | .12 | | | | .84 | .86 | .15 | | .15 | | .11 | .31 | .27 | | T. | | .06 | .35 | | | | | | .03 | 6.51 | |
| Muscatine \|\| | Mississippi | | | .29 | .90 | 1.22 | | | .02 | .03 | | | .02 | .48 | .48 | | | .80 | .02 | | .22 | 1.01 | T. | | | .40 | .52 | | | | | .02 | T. | 6.43 |
| New Hampton | Wapsipinicon | | .32 | 1.05 | | | | | .46 | | | | 1.02 | 1.44 | .14 | .01 | | .01 | .15 | .90 | | | | | | .09 | .56 | | | | | | 5.53 | |
| Nora Springs | Cedar | .33 | .85 | .11 | | | | | .02 | | | | .08 | .90 | .78 | .02 | | .02 | .05 | 1.03 | .55 | T. | | | .23 | .43 | | | | | | .03 | .03 | 7.55 |
| Northwood | do | .20 | 1.35 | | | | | .02 | .36 | | | | .20 | .82 | .42 | .90 | | .15 | | .20 | .95 | .45 | | | | .30 | .85 | | | | | .01 | 8.29 | |
| Olin | Wapsipinicon | | | .75 | 2.05 | | | | .25 | | | | .20 | .82 | .42 | .90 | | .15 | | .20 | .95 | .45 | | | | .30 | .85 | | | | | | 7.18 | |
| Osage | Cedar | | 1.00 | 1.35 | | | | | .37 | | | | .12 | .57 | .94 | | | .04 | | .18 | .28 | .18 | | | | .15 | .38 | | | | | .04 | 4.95 | |
| Oskaloosa | Des Moines | | .23 | 1.00 | .61 | | | | .14 | | | | .12 | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 5—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|-------------------|-------------|---------------|-----|-----|------|------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|------|------|------|-----|-----|-----|------|------|------|-----|-----|----|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Illinois—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beardstown II | Illinois | | | | .07 | T. | | | | | .30 | | | | | | | | | | .18 | .05 | | | | | | .45 | | | | | 1.05 | |
| Bement | Mississippi | | | | | .01 | | | | T. | | | T. | | | | | | | | | .05 | | | | | T. | .48 | | | | | .54 | |
| Bloomington | Illinois | | | | T. | .71 | | | | .05 | | | | T. | | | | | | | T. | .97 | .69 | | | | .12 | .34 | | | | | 2.88 | |
| Cairo | Mississippi | | | | | | T. | | | | T. | T. | | | | | | | | | | T. | .01 | | | | | | | | | | .87 | |
| Camp Point | do | | | T. | T. | .27 | | | | .21 | | | | .28 | T. | .34 | .16 | | | | .28 | .27 | .29 | | | | T. | .128 | | | | | 3.38 | |
| Carbondale | do | | | | | .16 | | | | | .12 | | | | | | | | | .10 | .13 | .65 | .01 | | | | | .41 | | | | | 2.10 | |
| Carlinville | Illinois | | | | .05 | .14 | T. | | | | | | | | | | | | | T. | .05 | T. | | | | | T. | .64 | | | | | 1.23 | |
| Carlyle | Mississippi | | | | T. | T. | | | | | | | | | | | .80 | .10 | | | | .30 | | | | | | | | | | | 1.20 | |
| Chester II | do | | | T. | T. | .02 | .10 | .16 | | | .22 | .04 | | | | | | .96 | | | | .08 | .24 | | | | | .12 | .26 | | | | 2.20 | |
| Clinton | Illinois | | | T. | .02 | .20 | .07 | | | .09 | | | T. | T. | | | | T. | | | T. | | .56 | | T. | | .02 | .58 | | | T. | T. | T. | 1.54 |
| Cobden | Mississippi | | | | | .20 | | | | | .08 | | | | | | .70 | | | | | .25 | | | | | | .68 | | | | | 1.91 | |
| Dakota | do | | .13 | .10 | .126 | .02 | | | .07 | .10 | | | .07 | .55 | .45 | .24 | | | | .10 | .98 | .01 | | | | .02 | .20 | .68 | | .02 | | | .05 | 7.27 |
| Decatur II | Illinois | | .07 | .02 | .17 | | | | | | .11 | | | | | | | T. | | | | .03 | .20 | | | | T. | .50 | .02 | | | | 1.12 | |
| Dixon II | Mississippi | | | .55 | .10 | .75 | | | | T. | | | .20 | .03 | .74 | .43 | | .15 | | | | .33 | .65 | T. | | T. | .18 | 1.10 | .03 | | | | .03 | 5.27 |
| DuQuoin | do | | | T. | .15 | | | | | | .02 | | | | | | T. | .04 | T. | .28 | | .43 | | | | | | .30 | | | | | 1.22 | |
| Dwight | Illinois | | .05 | T. | .39 | .05 | | | | .01 | | | T. | .14 | .45 | | | .07 | | T. | 1.95 | 1.09 | | | | | .22 | 1.05 | | T. | | | 5.97 | |
| East St. Louis II | Mississippi | | | .16 | .04 | .09 | | | | | | | | | | | | .12 | .32 | | | | | | | | | .73 | .09 | | | | 1.55 | |
| Edwardsville | do | | | .52 | | | | | | | | | | | | | | | .32 | | | | | | | | 1.00 | | | | | | 1.84 | |
| Elgin | Illinois | | .37 | T. | 1.40 | .21 | | | | .01 | | | | .18 | .19 | .01 | | | T. | | T. | .54 | .84 | | | | .05 | .20 | | | | | 5.90 | |
| Ewing | Mississippi | | | T. | .11 | | | | | | | | | | | | .87 | | .26 | | | .83 | .02 | | | | .33 | | | | | | 2.42 | |
| Fairview | Illinois | | .09 | T. | .22 | .02 | | | | .11 | T. | | | .12 | T. | | | .49 | | | .11 | .04 | .43 | | | | .03 | .47 | | | | | 2.13 | |
| Galva II | do | | | .70 | .06 | .38 | | | | .09 | .02 | | .03 | | | | | .19 | .04 | | | .15 | .69 | | | | .11 | .68 | .11 | | | .01 | 4.64 | |
| Grafton II | Mississippi | | | | | .08 | | | | T. | .04 | T. | | | | | | .03 | | | | .06 | T. | | | | T. | .35 | | | | | | .56 |
| Greenville | do | | | .04 | T. | .02 | | | | | | | | | | | .04 | | .15 | | | | | | | | | | | | | | 1.04 | |
| Griggsville | Illinois | | .03 | T. | .02 | | | | .07 | | | | .13 | | | | | .07 | | .15 | .13 | .06 | | | | | .04 | .52 | | | | | 1.22 | |
| Havana | do | | | T. | .18 | | | | .12 | | | | .05 | | | | | .15 | | .10 | .50 | .20 | | | | | T. | .60 | | | | | 1.90 | |
| Henry | do | | .13 | T. | .69 | .07 | | | .03 | | | | .07 | .96 | .16 | | | .20 | | .07 | .16 | .60 | T. | | | | .24 | .85 | | | | | 4.15 | |
| Hillsboro II | Mississippi | | | .31 | .10 | .22 | | | | | | | | | | | | | | | | | | | | | .38 | .08 | | | | | 1.27 | |
| Joliet | Illinois | | .02 | T. | .31 | | | | .06 | | | | T. | .64 | | | | .04 | | | T. | 2.07 | .18 | T. | | | .18 | 1.71 | | | | | 5.21 | |
| Kishwaukee | Mississippi | | .23 | .01 | .84 | | | .07 | .03 | | | | .04 | .31 | .31 | .27 | | .22 | | .05 | .82 | .19 | .01 | | T. | 2.03 | 2.07 | | | | | | 5.52 | |
| LaGrange | Illinois | | T. | T. | .87 | .03 | | | | | | | .76 | .13 | | | | T. | | | .92 | .88 | T. | .03 | | | .03 | .63 | | | | | 5.28 | |
| LaHarpe | do | | .44 | .22 | .98 | | | | .14 | | | | .10 | .52 | .26 | .28 | | .32 | | .18 | T. | .12 | | | | | .37 | | | | | | 3.53 | |
| Lanark | Mississippi | | .23 | .22 | 1.62 | .02 | | T. | .08 | | | | .14 | .52 | .26 | .28 | | .08 | | .08 | 1.65 | .06 | | | | | .05 | 1.65 | | | | | 6.94 | |
| LaSalle | Illinois | | .12 | T. | .77 | | | | .05 | | | | .06 | .74 | .23 | | | .20 | T. | .04 | .78 | .13 | T. | | | | .29 | 1.04 | | | | | 4.45 | |
| Lincoln | do | | | | .75 | | | | .08 | T. | | | .07 | | | | | .22 | | .06 | T. | .38 | | | | | T. | .59 | | | | | 2.15 | |
| Macomb | do | | .34 | .04 | .85 | .08 | | | .11 | | | | .03 | | | | | .27 | | .18 | .17 | .21 | | | | | T. | .39 | | | | | 2.75 | |
| Manteno | do | | | T. | T. | .31 | .05 | | | .12 | | | .20 | 1.75 | .18 | | .09 | | | .29 | 1.28 | .01 | | | | .13 | 1.40 | | | | | | 5.87 | |
| Martinton II | do | | | .22 | | | | T. | | | | | 1.57 | | | | T. | | T. | 2.00 | .90 | | | T. | .35 | .75 | T. | T. | .06 | | | | 5.79 | |
| Mascoutah | Mississippi | | | .10 | | | | | | T. | | | | | | .05 | .55 | | | | .05 | T. | | | | | .51 | | | | | | 1.26 | |
| Minonk | Illinois | | | | .50 | | | .05 | | | | | .19 | 1.00 | | | .10 | | .02 | .130 | 1.46 | | | | | .21 | .46 | | | | | | 5.29 | |
| Monmouth | Mississippi | | .68 | .30 | .98 | 1.00 | | | .20 | | | | .91 | .15 | | | .20 | | T. | .25 | .05 | | | | | .30 | .60 | | | | | | 6.07 | |
| Morris | Illinois | | .01 | | .30 | | | .08 | | | | | .32 | 1.31 | | | .15 | | | | 1.10 | 1.23 | | | | | .27 | 1.63 | | | | | 6.13 | |
| Morrison | Mississippi | | .19 | .10 | 1.53 | .02 | | | .10 | | | | .15 | .62 | .61 | .37 | | .13 | | .04 | .69 | .26 | | | | | .27 | .93 | | | | | 6.01 | |
| Morrisonville | Illinois | | | .19 | .32 | T. | | | .04 | T. | | | | | | | | T. | | T. | .03 | | | | | | T. | .35 | | | | | 1.02 | |
| Mount Vernon II | Mississippi | | | | | T. | | | | | | | | | | | | .48 | .42 | | | .05 | .42 | | | | T. | .38 | | | | | 1.89 | |
| Nashville | do | | | T. | .01 | .70 | .11 | T. | | | | | | | | | .56 | | .18 | | .10 | .20 | | | | | T. | .38 | | | | | 1.78 | |
| Oregon | do | | .30 | | | | | | | | | | T. | .34 | .22 | .26 | | .18 | | T. | .47 | .57 | | | | | .03 | 2.00 | | | | | 5.19 | |
| Ottawa | Illinois | | .19 | | 1.04 | | | | | | | | | .65 | .95 | | | .27 | | | 1.35 | .68 | .02 | | | | 1.56 | | | | | | 6.71 | |
| Pana | Mississippi | | | .07 | | | | | | .07 | | | | | | | | | | T. | .06 | | | | | | .42 | | | | | | .79 | |
| Paw Paw | Illinois | | .50 | .02 | 1.09 | .16 | | T. | | | | | .10 | .30 | .49 | .05 | | .23 | | .02 | .14 | .75 | T. | T. | | | .19 | 1.33 | | | | | 5.37 | |
| Peoria | do | | .01 | T. | .03 | | | .08 | | | | | T. | .42 | .01 | | | .09 | | .04 | .30 | .23 | T. | | | | .14 | .49 | | | | | 1.85 | |
| Pontiac | do | | | T. | .35 | .19 | | | .02 | | | | T. | .15 | 1.90 | | | .06 | | | 1.90 | 1.91 | | | | | .26 | .80 | | | | | 7.54 | |
| Quincy II | Mississippi | | .38 | .39 | .24 | .12 | | | T. | | .14 | | | .06 | .08 | .49 | | .16 | | | | .36 | | | | | .02 | .46 | | | | | 2.90 | |
| Riley | do | | .22 | .02 | .76 | .08 | | .01 | .13 | | | | .01 | .19 | .29 | .55 | | .15 | | .03 | .60 | .89 | T. | | | .01 | .03 | 1.65 | | | | | 5.63 | |
| Roberts | Illinois | | | T. | .33 | .07 | | | T. | | | | T. | .04 | .49 | T. | | .08 | | T. | .89 | T. | | | | | .25 | .50 | | | | | 2.65 | |
| Rockford II | Mississippi | | | .22 | .06 | .87 | | | .12 | | | | .05 | | 1.07 | .23 | | .05 | | .66 | .86 | | | | | T. | .03 | 1.33 | .15 | | | | 5.70 | |
| Rushville | Illinois | | .05 | T. | | | | | .72 | | | | | .11 | | | | .08 | | .20 | .06 | .14 | T. | | | T. | .41 | | | | | | 1.77 | |
| St. Charles | do | | .55 | .01 | 2.10 | .06 | | | .02 | | | | T. | .30 | .45 | .32 | | .06 | | .03 | 2.06 | .58 | T. | | | T. | .02 | 1.74 | | .02 | T. | | 8.32 | |
| St. Peter | Mississippi | | | T. | T. | T. | | | | | | | | | | | .12 | | T. | | .10 | .53 | | | | | T. | .44 | | | | | | |

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 5, Upper Mississippi Valley.

| Date. | North Dakota. | | | | | | | | | | Minnesota. | | | | | | | | | | | | | | | | | |
|--------|---------------|------|--------------|------|------------|------|-----------|------|-------------|------|---------------|------|---------------|------|---------------|------|----------------|------|-----------|------|-------------|------|------------------|------|-----------|------|-----------------|------|
| | Bottineau. §§ | | Devils Lake. | | Lisbon. §§ | | Minot. §§ | | Pembina. §§ | | Collegeville. | | Crookston. §§ | | Grand Meadow. | | Montevideo. §§ | | Moorhead. | | New Ulm. §§ | | Pine River, Dam. | | St. Paul. | | Winnibigoshish. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 51 | 29 | 47 | 31 | 64 | 33 | 48 | 28 | 44 | 22 | 73 | 42 | 43 | 31 | 82 | 44 | 55 | 35 | 42 | 32 | 81 | 51 | 85 | 30 | 84 | 55 | 52 | 40 |
| 2.... | 42 | 27 | 42 | 27 | 45 | 32 | 46 | 28 | 51 | 26 | 54 | 39 | 45 | 30 | 74 | 45 | 42 | 38 | 42 | 34 | 74 | 42 | 55 | 36 | 71 | 47 | 46 | 35 |
| 3.... | 60 | 35 | 59 | 34 | 65 | 34 | 61 | 30 | 48 | 34 | 55 | 40 | 65 | 35 | 67 | 46 | 53 | 39 | 61 | 35 | 54 | 45 | 55 | 32 | 58 | 47 | 52 | 34 |
| 4.... | 56 | 17 | 55 | 37 | 63 | 34 | 58 | 34 | 52 | 32 | 65 | 40 | 54 | 36 | 60 | 45 | 76 | 42 | 59 | 39 | 70 | 45 | 56 | 36 | 66 | 43 | 66 | 36 |
| 5.... | 52 | 11 | 51 | 32 | 62 | 31 | 56 | 32 | 50 | 30 | 59 | 44 | 55 | 34 | 61 | 45 | 66 | 42 | 60 | 34 | 60 | 44 | 64 | 36 | 62 | 47 | 58 | 38 |
| 6.... | 59 | 24 | 58 | 30 | 62 | 26 | 61 | 25 | 71 | 28 | 59 | 38 | 57 | 30 | 57 | 34 | 67 | 35 | 61 | 30 | 63 | 35 | 62 | 34 | 61 | 41 | 59 | 31 |
| 7.... | 59 | 33 | 57 | 32 | 63 | 30 | 62 | 33 | 52 | 32 | 58 | 42 | 60 | 35 | 54 | 37 | 54 | 45 | 54 | 42 | 63 | 40 | 53 | 35 | 51 | 45 | 52 | 31 |
| 8.... | 56 | 26 | 51 | 27 | 63 | 33 | 51 | 31 | 48 | 22 | 54 | 37 | 50 | 29 | 56 | 45 | 59 | 37 | 53 | 31 | 58 | 45 | 52 | 36 | 61 | 43 | 54 | 28 |
| 9.... | 60 | 32 | 55 | 27 | 68 | 33 | 60 | 36 | 52 | 28 | 54 | 34 | 53 | 30 | 55 | 34 | 56 | 33 | 56 | 32 | 62 | 36 | 54 | 26 | 55 | 37 | 55 | 25 |
| 10.... | 59 | 32 | 54 | 35 | 67 | 28 | 64 | 41 | 51 | 30 | 61 | 33 | 65 | 32 | 59 | 29 | 65 | 31 | 66 | 30 | 62 | 32 | 63 | 27 | 62 | 38 | 62 | 27 |
| 11.... | 71 | 41 | 73 | 46 | 62 | 38 | 73 | 41 | 62 | 51 | 62 | 42 | 62 | 40 | 64 | 34 | 67 | 43 | 64 | 45 | 62 | 40 | 64 | 41 | 64 | 44 | 68 | 31 |
| 12.... | 63 | 37 | 68 | 33 | 88 | 41 | 65 | 40 | 53 | 40 | 69 | 51 | 72 | 48 | 72 | 48 | 78 | 50 | 75 | 43 | 70 | 41 | 68 | 44 | 71 | 54 | 66 | 48 |
| 13.... | 51 | 28 | 50 | 26 | 68 | 33 | 53 | 30 | 59 | 22 | 62 | 45 | 50 | 32 | 65 | 44 | 66 | 47 | 58 | 34 | 63 | 52 | 66 | 42 | 67 | 46 | 64 | 42 |
| 14.... | 48 | 29 | 50 | 35 | 50 | 34 | 49 | 31 | 62 | 41 | 55 | 34 | 50 | 40 | 52 | 43 | 47 | 41 | 48 | 38 | 50 | 46 | 56 | 33 | 48 | 43 | 58 | 32 |
| 15.... | 62 | 38 | 62 | 39 | 67 | 39 | 63 | 37 | 52 | 34 | 55 | 34 | 57 | 36 | 52 | 42 | 68 | 38 | 60 | 38 | 60 | 41 | 52 | 32 | 51 | 43 | 46 | 31 |
| 16.... | 60 | 31 | 60 | 35 | 67 | 37 | 61 | 31 | 56 | 34 | 66 | 43 | 63 | 38 | 63 | 40 | 66 | 50 | 64 | 39 | 69 | 42 | 54 | 38 | 64 | 42 | 64 | 33 |
| 17.... | 55 | 36 | 52 | 36 | 67 | 42 | 56 | 39 | 57 | 28 | 60 | 44 | 55 | 42 | 64 | 48 | 64 | 46 | 58 | 38 | 63 | 47 | 52 | 38 | 62 | 48 | 64 | 42 |
| 18.... | 60 | 25 | 55 | 28 | 61 | 30 | 58 | 30 | 54 | 28 | 57 | 38 | 53 | 35 | 59 | 39 | 60 | 35 | 58 | 32 | 55 | 38 | 56 | 36 | 57 | 41 | 58 | 36 |
| 19.... | 52 | 37 | 51 | 35 | 52 | 40 | 47 | 41 | 56 | 32 | 51 | 38 | 58 | 35 | 53 | 42 | 48 | 40 | 50 | 39 | 48 | 43 | 53 | 32 | 50 | 42 | 55 | 30 |
| 20.... | 46 | 38 | 44 | 40 | 50 | 37 | 48 | 38 | 48 | 38 | 44 | 40 | 48 | 39 | 57 | 42 | 49 | 39 | 47 | 40 | 54 | 43 | 53 | 37 | 49 | 43 | 53 | 38 |
| 21.... | 55 | 39 | 54 | 37 | 50 | 39 | 53 | 39 | 51 | 35 | 49 | 39 | 50 | 41 | 56 | 42 | 50 | 40 | 48 | 42 | 51 | 43 | 46 | 38 | 52 | 42 | 45 | 35 |
| 22.... | 69 | 41 | 66 | 44 | 68 | 36 | 70 | 36 | 68 | 39 | 60 | 41 | 70 | 37 | 52 | 43 | 63 | 43 | 66 | 36 | 55 | 43 | 62 | 41 | 60 | 44 | 66 | 38 |
| 23.... | 70 | 43 | 71 | 43 | 77 | 45 | 72 | 44 | 68 | 44 | 70 | 43 | 75 | 45 | 68 | 37 | 80 | 40 | 76 | 46 | 70 | 38 | 69 | 36 | 69 | 45 | 66 | 39 |
| 24.... | 64 | 37 | 62 | 37 | 64 | 41 | 67 | 41 | 68 | 36 | 64 | 48 | 60 | 42 | 70 | 47 | 54 | 46 | 65 | 42 | 62 | 48 | 66 | 48 | 64 | 44 | 63 | 45 |
| 25.... | 69 | 41 | 66 | 42 | 73 | 41 | 66 | 43 | 71 | 36 | 62 | 31 | 65 | 43 | 58 | 40 | 62 | 37 | 63 | 45 | 55 | 39 | 60 | 29 | 63 | 37 | 60 | 31 |
| 26.... | 87 | 45 | 84 | 48 | 87 | 37 | 86 | 48 | 80 | 48 | 72 | 42 | 78 | 46 | 64 | 47 | 68 | 48 | 80 | 45 | 66 | 52 | 73 | 31 | 69 | 48 | 72 | 31 |
| 27.... | 94 | 48 | 92 | 55 | 97 | 46 | 93 | 51 | 92 | 56 | 89 | 55 | 91 | 52 | 81 | 47 | 93 | 50 | 95 | 53 | 89 | 52 | 88 | 53 | 89 | 53 | 87 | 52 |
| 28.... | 93 | 63 | 86 | 60 | 90 | 56 | 91 | 63 | 82 | 55 | 84 | 58 | 84 | 59 | 82 | 60 | 91 | 63 | 92 | 60 | 91 | 60 | 88 | 54 | 88 | 64 | 81 | 52 |
| 29.... | 83 | 54 | 83 | 58 | 96 | 56 | 83 | 63 | 82 | 51 | 85 | 63 | 87 | 58 | 88 | 63 | 92 | 64 | 89 | 58 | 92 | 64 | 79 | 53 | 88 | 63 | 73 | 55 |
| 30.... | 84 | 43 | 81 | 52 | 85 | 56 | 85 | 48 | 90 | 51 | 80 | 57 | 80 | 52 | 82 | 57 | 84 | 62 | 80 | 56 | 83 | 62 | 75 | 55 | 83 | 59 | 75 | 48 |
| 31.... | 88 | 57 | 77 | 37 | 88 | 56 | 87 | 58 | 81 | 50 | 83 | 59 | 75 | 53 | 80 | 50 | 85 | 53 | 84 | 51 | 81 | 51 | 83 | 43 | 81 | 58 | 80 | 48 |
| Mns.. | 63.8 | 36.0 | 61.8 | 38.6 | 68.7 | 38.5 | 64.3 | 39.4 | 61.6 | 36.1 | 63.6 | 43.0 | 62.3 | 39.8 | 64.7 | 43.8 | 65.4 | 43.6 | 63.7 | 40.6 | 65.7 | 45.2 | 63.3 | 38.1 | 65.2 | 46.6 | 61.9 | 37.5 |

| Date. | Wisconsin. | | | | | | | | | | Iowa. | | | | | | | | | | | | | | | | | |
|--------|-------------|------|-------------|------|----------|------|------------|------|----------|------|-----------|------|---------|------|---------|------|------------------|------|---------------|------|------------|------|-------------|------|----------|------|---------|------|
| | Eau Claire. | | Grantsburg. | | Hancock. | | La Crosse. | | Madison. | | Prentice. | | Wausau. | | Algona. | | Cedar Rapids. §§ | | Charles City. | | Davenport. | | Des Moines. | | Dubuque. | | Keokuk. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 86 | 60 | 84 | 53 | 86 | 60 | 86 | 61 | 82 | 55 | 79 | 56 | 81 | 54 | 85 | 54 | 88 | 51 | 84 | 54 | 84 | 59 | 84 | 61 | 84 | 58 | 84 | 57 |
| 2.... | 81 | 52 | 69 | 46 | 85 | 59 | 83 | 60 | 80 | 59 | 77 | 42 | 80 | 56 | 72 | 53 | 85 | 60 | 79 | 51 | 83 | 62 | 80 | 61 | 82 | 62 | 82 | 64 |
| 3.... | 73 | 56 | 58 | 41 | 80 | 60 | 74 | 55 | 71 | 59 | 65 | 58 | 73 | 56 | 65 | 47 | 82 | 63 | 64 | 50 | 70 | 60 | 71 | 54 | 75 | 61 | 71 | 62 |
| 4.... | 63 | 49 | 70 | 35 | 73 | 55 | 62 | 52 | 71 | 59 | 65 | 46 | 60 | 51 | 59 | 41 | 65 | 60 | 60 | 48 | 75 | 60 | 63 | 54 | 67 | 58 | 76 | 61 |
| 5.... | 64 | 53 | 66 | 43 | 60 | 54 | 62 | 48 | 62 | 52 | 61 | 52 | 62 | 54 | 61 | 47 | 61 | 59 | 60 | 40 | 64 | 54 | 60 | 52 | 61 | 53 | 67 | 54 |
| 6.... | 63 | 37 | 61 | 35 | 63 | 38 | 62 | 39 | 58 | 45 | 58 | 47 | 58 | 38 | 61 | 38 | 63 | 43 | 60 | 35 | 64 | 44 | 64 | 41 | 61 | 45 | 65 | 47 |
| 7.... | 58 | 33 | 53 | 34 | 63 | 36 | 59 | 38 | 62 | 43 | 57 | 29 | 60 | 31 | 66 | 45 | 69 | 41 | 61 | 40 | 67 | 45 | 67 | 42 | 65 | 42 | 67 | 48 |
| 8.... | 64 | 45 | 59 | 39 | 58 | 45 | 60 | 49 | 60 | 48 | 59 | 41 | 57 | 41 | 59 | 49 | 72 | 43 | 56 | 50 | 73 | 51 | 72 | 51 | 61 | 53 | 74 | 50 |
| 9.... | 60 | 33 | 58 | 27 | 57 | 34 | 56 | 39 | 52 | 38 | 60 | 30 | 51 | 30 | 57 | 39 | 56 | 48 | 57 | 40 | 56 | 40 | 55 | 46 | 55 | 42 | 57 | 43 |
| 10.... | 63 | 30 | 65 | 26 | 60 | 30 | 60 | 33 | 53 | 33 | 60 | 23 | 55 | 29 | 58 | 37 | 58 | 39 | 58 | 35 | 57 | 36 | 57 | 43 | 57 | 37 | 58 | 39 |
| 11.... | 66 | 35 | 68 | 39 | 62 | 37 | 64 | 38 | 60 | 35 | 60 | 32 | 60 | 35 | 65 | 38 | 68 | 36 | 64 | 38 | 65 | 35 | 63 | 41 | 63 | 38 | 65 | 36 |
| 12.... | 72 | 49 | 72 | 38 | 73 | 44 | 76 | 51 | 70 | 45 | 62 | 35 | 68 | 42 | 76 | 52 | 79 | 37 | 76 | 51 | 76 | 50 | 80 | 52 | 76 | 48 | 79 | 50 |
| 13.... | 69 | 47 | 67 | 40 | 68 | 45 | 59 | 49 | 61 | 47 | 63 | 34 | 60 | 40 | 68 | 50 | 63 | 51 | 58 | 49 | 68 | 52 | 67 | 55 | 56 | 50 | 80 | 56 |
| 14.... | 59 | 42 | 58 | 36 | 54 | 35 | 50 | 43 | 51 | 38 | 63 | 34 | 55 | 35 | 55 | 48 | 58 | 50 | 52 | 46 | 62 | 51 | 67 | 52 | 55 | 45 | 84 | 52 |
| 15.... | 53 | 44 | 58 | 38 | 70 | 43 | 62 | 43 | 70 | 48 | 58 | 42 | 54 | 40 | 58 | 45 | 59 | 51 | 57 | 44 | 70 | 50 | 60 | 51 | 68 | 45 | 70 | 52 |
| 16.... | 60 | 38 | 67 | 45 | 69 | 39 | 69 | 40 | 67 | 42 | 63 | 34 | 67 | 38 | 69 | 45 | 78 | 42 | 68 | 42 | 71 | 45 | 74 | 47 | 69 | 43 | 76 | 47 |
| 17.... | 67 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 5—Continued.

| Date. | Hannibal, Mo. | | Laporte, Ind. | | Illinois. §§ | | | | | | | | | | | | | | | |
|----------|------------------|------|------------------|------|--------------|------|-------------|------|-----------|------|----------------|------|------------------|------|---------|------|--------------|------|------------|------|
| | | | | | Cairo. | | Greenville. | | La Salle. | | Mon- mouth. | | Mount Vernon. | | Peoria. | | Springfield. | | Winnebago. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 85 | 58 | 84 | 41 | 82 | 56 | 85 | 50 | 83 | 55 | 85 | 50 | 82 | 49 | 84 | 54 | 83 | 53 | 85 | 53 |
| 2..... | 83 | 63 | 86 | 47 | 82 | 61 | 86 | 52 | 83 | 58 | 84 | 53 | 84 | 54 | 83 | 57 | 83 | 56 | 84 | 58 |
| 3..... | 76 | 64 | 84 | 52 | 81 | 64 | 84 | 59 | 78 | 62 | 80 | 58 | 82 | 56 | 79 | 63 | 80 | 62 | 73 | 60 |
| 4..... | 77 | 61 | 82 | 59 | 77 | 67 | 79 | 61 | 79 | 62 | 74 | 59 | 78 | 62 | 80 | 64 | 74 | 64 | 78 | 58 |
| 5..... | 75 | 55 | 75 | 62 | 79 | 67 | 81 | 61 | 74 | 56 | 71 | 60 | 80 | 60 | 77 | 56 | 78 | 57 | 66 | 55 |
| 6..... | 66 | 46 | 72 | 49 | 68 | 58 | 70 | 54 | 64 | 48 | 65 | 44 | 63 | 56 | 65 | 45 | 67 | 52 | 63 | 41 |
| 7..... | 69 | 40 | 65 | 35 | 70 | 52 | 74 | 43 | 66 | 41 | 68 | 40 | 70 | 43 | 69 | 38 | 70 | 45 | 67 | 38 |
| 8..... | 78 | 42 | 71 | 38 | 78 | 54 | 81 | 47 | 72 | 49 | 75 | 45 | 76 | 48 | 75 | 50 | 77 | 47 | 68 | 48 |
| 9..... | 64 | 45 | 62 | 39 | 81 | 58 | 74 | 55 | 56 | 35 | 58 | 45 | 72 | 48 | 60 | 38 | 64 | 38 | 55 | 40 |
| 10..... | 58 | 40 | 52 | 28 | 61 | 49 | 64 | 40 | 54 | 33 | 60 | 34 | 63 | 42 | 60 | 35 | 61 | 34 | 55 | 30 |
| 11..... | 67 | 40 | 64 | 28 | 62 | 50 | 70 | 40 | 66 | 32 | 60 | 33 | 65 | 42 | 68 | 36 | 66 | 35 | 65 | 30 |
| 12..... | 81 | 49 | 74 | 34 | 73 | 51 | 80 | 44 | 76 | 45 | 77 | 49 | 79 | 42 | 77 | 48 | 78 | 47 | 73 | 43 |
| 13..... | 90 | 61 | 75 | 45 | 84 | 57 | 85 | 54 | 72 | 50 | 76 | 54 | 84 | 50 | 77 | 52 | 82 | 58 | 63 | 47 |
| 14..... | 88 | 57 | 63 | 51 | 87 | 68 | 91 | 61 | 64 | 51 | 79 | 52 | 90 | 53 | 79 | 52 | 89 | 55 | 55 | 42 |
| 15..... | 74 | 54 | 79 | 48 | 82 | 67 | 84 | 64 | 76 | 52 | 72 | 56 | 83 | 53 | 77 | 50 | 80 | 56 | 73 | 43 |
| 16..... | 77 | 48 | 70 | 47 | 68 | 60 | 77 | 52 | 71 | 46 | 75 | 40 | 65 | 56 | 75 | 43 | 73 | 50 | 71 | 40 |
| 17..... | 65 | 57 | 73 | 46 | 82 | 62 | 82 | 51 | 68 | 53 | 70 | 56 | 78 | 55 | 68 | 52 | 72 | 55 | 70 | 54 |
| 18..... | 70 | 50 | 70 | 49 | 75 | 62 | 80 | 56 | 67 | 48 | 69 | 45 | 73 | 58 | 69 | 45 | 72 | 54 | 65 | 45 |
| 19..... | 67 | 53 | 68 | 40 | 82 | 60 | 79 | 50 | 68 | 47 | 69 | 47 | 75 | 53 | 73 | 51 | 76 | 52 | 65 | 42 |
| 20..... | 84 | 61 | 72 | 51 | 85 | 63 | 90 | 57 | 69 | 48 | 82 | 49 | 85 | 57 | 84 | 51 | 86 | 59 | 66 | 43 |
| 21..... | 66 | 54 | 80 | 56 | 76 | 63 | 85 | 65 | 71 | 52 | 64 | 54 | 80 | 65 | 70 | 54 | 74 | 54 | 66 | 50 |
| 22..... | 57 | 50 | 68 | 50 | 65 | 55 | 66 | 51 | 56 | 50 | 55 | 48 | 61 | 53 | 55 | 51 | 57 | 52 | 56 | 47 |
| 23..... | 64 | 48 | 54 | 45 | 60 | 53 | 61 | 51 | 60 | 49 | 65 | 47 | 58 | 50 | 60 | 46 | 59 | 48 | 64 | 45 |
| 24..... | 77 | 46 | 74 | 35 | 73 | 53 | 80 | 45 | 74 | 48 | 76 | 47 | 72 | 45 | 76 | 42 | 79 | 47 | 75 | 47 |
| 25..... | 76 | 60 | 72 | 42 | 77 | 56 | 84 | 52 | 63 | 44 | 69 | 56 | 78 | 52 | 65 | 54 | 79 | 58 | 63 | 41 |
| 26..... | 70 | 56 | 55 | 44 | 79 | 60 | 77 | 59 | 62 | 48 | 60 | 54 | 76 | 61 | 63 | 51 | 70 | 54 | 54 | 44 |
| 27..... | 79 | 51 | 63 | 45 | 74 | 57 | 77 | 52 | 73 | 44 | 77 | 44 | 72 | 53 | 75 | 46 | 75 | 51 | 75 | 38 |
| 28..... | 90 | 59 | 76 | 46 | 86 | 57 | 91 | 52 | 90 | 60 | 89 | 59 | 86 | 52 | 89 | 56 | 91 | 58 | 84 | 61 |
| 29..... | 93 | 65 | 76 | 50 | 88 | 64 | 90 | 58 | 87 | 59 | 89 | 63 | 87 | 60 | 90 | 64 | 92 | 66 | 86 | 56 |
| 30..... | 91 | 72 | 71 | 54 | 88 | 71 | 96 | 70 | 82 | 68 | 88 | 63 | 92 | 69 | 85 | 66 | 89 | 73 | 80 | 60 |
| 31..... | 91 | 69 | 80 | 56 | 96 | 71 | 95 | 67 | 84 | 63 | 88 | 63 | 89 | 67 | 88 | 65 | 93 | 68 | 80 | 58 |
| Mns..... | 75.7 | 54.0 | 71.3 | 45.5 | 77.4 | 59.5 | 80.6 | 54.0 | 71.2 | 50.2 | 72.8 | 50.5 | 76.7 | 53.7 | 74.0 | 50.8 | 76.4 | 53.5 | 69.1 | 47.0 |

a, b, c, etc., indicate, respectively 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 6, MISSOURI VALLEY.

MONTROSE W. HAYES, District Editor.

GENERAL SUMMARY.

There was great diversity in the weather of the different parts of the district, but in the main the conditions were favorable for farming and other outdoor pursuits. Freezing temperatures occurred in the early part of the month, except in Iowa, Kansas, and Missouri, but owing to the backwardness of vegetation no material damage resulted. In the western portion of South Dakota there was some loss of lambs on account of snow. During the last week of the month unusually hot weather prevailed, and the high temperature record for May was exceeded at many places. There was a period of excessively heavy rain over southeastern South Dakota, eastern Nebraska, northeastern Kansas, extreme northern Missouri, and western Iowa, but in western Kansas and most of that portion of Missouri south of the Missouri River the rainfall was deficient and crops were beginning to show the need of moisture at the end of the month.

A considerable number of severe local storms occurred. On the 14th a small tornado moved from about 10 miles south, and somewhat west, of McCool Junction, Nebr., northeastward to Germantown, Nebr. The storm passed mostly through a farming region, but it struck the northern portion of the town of Seward, destroying between 30 and 40 houses and killing 8 people. The total property loss was estimated at \$200,000. On the same day a tornado occurred at Council Bluffs, Iowa; it passed over practically the same territory that was visited by a tornado last Easter, but it was of small energy and caused only nominal damage. At Lebanon, Mo., a severe hail-storm occurred on the afternoon of the 17th. At 6 p. m. a dark cloud overspread the sky, and in 15 minutes the ground was white with hail; most of the stones were about the size of hazelnuts, but some of them were larger and measured three-fourths of an inch in diameter. The absence of wind prevented the breaking of glass in windows, but gardens and fruits were almost wholly destroyed. Banks of hail from roofs measured 18 inches in depth 24 hours after the storm. None of the characteristics of a tornado was present, and the storm did not extend much beyond the limits of the town. The rainfall amounted to 1.75 inches; most of the hail rebounded from the gauge and was not measured.

TEMPERATURE.

The temperature was below the normal in Montana and the Dakotas; it was practically normal in Iowa, and was above the normal in the remainder of the district. The greatest deficiency was in Montana and the greatest excess was in Kansas. In the district as a whole the areas of excess and deficiency were about equal in extent. There was no well-defined period in which the lowest temperatures occurred, but in Kansas and Missouri the greater number of stations had the coldest day between the 10th and the 20th, and in most of the rest of the drainage area the temperature was lowest at some time during the first 10 days. There was very little damage by

freezing weather, and in Missouri and Kansas the temperature did not fall to 32°. In Kansas, with the exception of May, 1902, this was the only May of record in which the temperature at some station did not go below the freezing point. An abnormally warm period prevailed through most of the last week of the month, and temperatures of 100° or higher occurred in localities of all the States comprising the drainage area, except Montana, Wyoming, and Colorado; at many places a new record for high temperatures in May was established. The highest temperature for the whole district was 107° at Lincoln, Kans., and the lowest was 2° at Norris, Wyo.—in the Yellowstone Park.

PRECIPITATION.

The precipitation was deficient in most of the district, but there was a well-defined region of excess embracing western Iowa, the northern counties of Missouri, extreme northeastern Kansas, and a large part of the States of Nebraska and South Dakota. In the eastern part of this region there were some unusually heavy rains; monthly totals of 9 inches or more occurred in several localities, and there were 24-hour falls of 2 inches at numerous stations. Most of the water was taken up by the soil and there was very little damage beyond a few washouts on roads in Kansas. Outside of the section of country in which the heavy rains occurred there was a very uneven distribution of the precipitation; at a few widely separated places monthly totals were above the normal, but as a rule they were deficient, and in some localities were as low as 10 and 12 per cent of the seasonal average. The rainy days were well scattered through the month, except in the lower part of the district, where the rains after the 21st were light and rather local. Notwithstanding the lack of the normal amount of precipitation in the greater part of the drainage area there appears to have been sufficient soil moisture, except in western Kansas, over the watersheds of the Gasconade and lower Osage Rivers, and along the Missouri River below Boonville, Mo., where there was considerable need of rain at the end of the month.

Snow fell in North Dakota, the Black Hills of South Dakota, extreme western Nebraska, and in all of the foothill and mountain country of the district.

RIVERS.

Mountain streams were rising at the end of the month, as the snow at moderate elevations had begun to melt rapidly. The stages of the Missouri River and its principal tributaries above Kansas City ranged from slightly below to slightly above the normal. Below Kansas City the tributaries were low and the main stream was 1 to 2 feet lower than a 40-year average for the month. At St. Louis the Mississippi was about 3 feet lower than a 50-year average for May. In none of the streams except the very small ones was there the usual fluctuation in the water level.

TABLE 1.—Climatological data for May, 1913. District No. 6, Missouri Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|-------------------|------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|----------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|-----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelting. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | |
| Wyoming. | | | | | | | | | | | | | | | | | | | |
| Arapahoe | Fremont | 5,200 | 3 | | | | | | | 0.71 | | | | | | | | | Edw. L. Seymour. |
| Basin | Bighorn | 3,862 | 14 | 57.4 | + 0.8 | 90 | 28† | 28 | 1 | 50 | 1.86 | + 0.61 | 1.63 | 12.0 | 3 | 17 | 5 | 9 | O. J. Robertson. |
| Big Creek Station | Carbon | 7,500 | 2 | 49.0 | | 76½ | 23† | 16½ | 5 | 48½ | 0.05 | | 0.03 | 0.1 | 2 | 0½ | 19½ | 2½ | U. S. Forest Service. |
| Boyd | Weston | 6,192 | 2 | 46.2 | | 81 | 27 | 25 | 4† | 41 | 1.96 | | 0.51 | 1.1 | 13 | 11 | 8 | 12 | Kirk Baker. |
| Burns | Laramie | 5,400 | 3 | 51.2* | | 80* | 22† | 24* | 6 | 41* | 2.55 | | 1.00 | 1.0 | 9 | 12† | 3† | 10† | E. W. Bastian. |
| Casper | Natrona | 5,101 | 4 | | | | | | | | | | | | | | | | M. C. Cook. |
| Centennial | Albany | 8,074 | 10 | 49.4 | | 74 | 12† | 27 | 5 | 41 | 0.21 | | 0.07 | 0.9 | 9 | 7 | 5 | 19 | Louis A. Gregory. |
| Cheyenne | Laramie | 6,038 | 42 | 52.0 | + 1.0 | 81 | 27 | 28 | 2 | 34 | 2.22 | - 0.21 | 0.55 | T. | 17 | 4 | 13 | 14 | U. S. Weather Bureau. |
| Chugwater | Platte | 5,288 | 12 | 52.6 | + 1.7 | 84½ | 27 | 28½ | 3 | 43½ | 1.05 | - 1.32 | 0.71 | T. | 3 | 7½ | 16½ | 6½ | A. H. Woollever. |
| Clark | Park | 4,320 | 8 | 53.4 | | 85 | 26 | 28 | 3 | 34 | 2.10 | | 0.54 | 3.2 | 11 | 6 | 14 | 11 | Chas. A. C. Snow. |
| Cody | do | 5,000 | 6 | 51.2 | | 84 | 26 | 24 | 3 | 36 | 1.57 | | 0.33 | | 10 | 8 | 14 | 9 | D. A. Tinkcom. |
| Dome Lake | Sheridan | 8,821 | 5 | 38.4 | | 67 | 26 | 11 | 3 | 34 | 0.72 | | 0.11 | 4.3 | 10 | | | | Abe Mills. |
| Douglas | Converse | 4,793 | 4 | 52.6 | | 87 | 27 | 23 | 3 | 45 | 0.30 | | 0.10 | T. | 4 | 21 | 4 | 6 | Henry C. Miller. |
| Dubois | Fremont | 6,909 | 6 | 46.2 | | 76 | 26 | 21 | 3 | 40 | 1.36 | | 0.45 | 3.5 | 9 | 7 | 22 | 2 | Dr. F. H. Welty. |
| Eaton's Ranch | Sheridan | 4,600 | 8 | 51.1 | | 82 | 26 | 28 | 5 | 35 | 0.36 | | 0.20 | 2.0 | 3 | 13 | 8 | 10 | F. A. Eaton. |
| Echeta | Campbell | 4,200 | 4 | | | | | | | | 1.95 | | 0.62 | T. | 5 | 18 | 6 | 7 | M. R. Hunter. |
| Elk Mountain | Carbon | | 8 | | | | | | | | 0.47 | | 0.09 | 1.5 | 8 | | | | Wm. Richardson. |
| Encampment | do | 7,322 | 4 | 50.6 | | 80* | 30 | 20* | 1† | 41* | T. | | T. | | 0 | 0 | 1* | 24* | U. S. Forest Service. |
| Ervay | Natrona | 6,400 | 4 | 49.1 | | 80 | 26 | 20 | 1 | 44 | 0.80 | | 0.36 | 1.0 | 6 | 10 | 17 | 4 | Frank Jameson. |
| Fort Laramie | Goshen | 4,270 | 35 | 55.2 | - 0.3 | 94 | 27 | 28 | 15 | 48 | 1.53 | - 0.78 | 0.58 | T. | 8 | 14 | 12 | 5 | John Hunton. |
| Foxpark | Albany | 9,015 | 3 | | | 68½ | 26 | 12½ | 3 | 33½ | 0.35 | | | 3.0 | 3 | 3† | 9† | 10† | U. S. Forest Service. |
| Germania | Bighorn | 4,312 | 2 | 53.6 | | 86 | 26 | 21 | 2 | 41 | 0.58 | | 0.18 | 0.5 | 11 | 12 | 15 | 4 | J. W. Peper. |
| Gillette | Campbell | 4,546 | 7 | | | | | | | | | | | | | | | | M. H. Shields. |
| Horse Creek | Fremont | 8,000 | 1 | | | | | | | | | | | | | | | | U. S. Forest Service. |
| Hunters Station | Johnson | 8,000 | 7 | 41.8 | | 72 | 27 | 9 | 3 | 35 | 2.58 | | 0.34 | 19.0 | 11 | 11 | 5 | 15 | Do. |
| Hyattville | Bighorn | 4,632 | 14 | 56.3 | + 1.6 | 90 | 27 | 27 | 3 | 35 | 0.10 | | 0.05 | 1.0 | 2 | 7 | 8 | 16 | Wm. Booth. |
| Jirah | Niobrara | 5,100 | 3 | | | | | | | | 1.46 | | 0.49 | T. | 9 | 10 | 16 | 5 | P. L. Ford. |
| Kinnear | Fremont | | 9 | 54.1 | | 87 | 31 | 24 | 2 | 44 | 3.71 | | 3.10 | 1.0 | 5 | 9 | 16 | 6 | John C. Hays. |
| Kirtley | Niobrara | | 9 | 50.6 | | 86 | 27 | 25 | 1 | 38 | 1.76 | | 0.70 | | 11 | 15 | 7 | 9 | D. M. Zumbunnen. |
| Kirwin | Park | 9,187 | 4 | 37.2 | | 57* | 23 | 18* | 14† | 28* | 3.79 | | 0.80 | 27.7 | 17 | 9* | 15* | 6* | C. L. Tewksbury. |
| Knowles | Crook | 4,500 | 4 | | | | | | | | 4.60 | | 2.60 | 0.3 | 12 | 12 | 10 | 9 | Geo. A. Knowles. |
| Lagrange | Goshen | 4,728 | 3 | 54.8 | | 89 | 27 | 29 | 3 | 44 | 2.99 | | 1.73 | | 7 | 18 | 8 | 5 | Owen Shupp. |
| Lander | Fremont | 5,372 | 21 | 53.3 | + 1.3 | 83 | 28 | 26 | 3 | 37 | 1.20 | - 1.70 | 0.62 | 4.0 | 11 | 7 | 16 | 8 | U. S. Weather Bureau. |
| Laramie | Albany | 7,188 | 22 | 49.3 | + 2.7 | 77 | 26 | 20 | 3 | 40 | 0.19 | - 1.31 | 0.05 | T. | 7 | 20 | 6 | 5 | University of Wyoming. |
| Leo | Carbon | 6,878 | 11 | | | | | | | | | | | | | | | | C. A. Cowdin. |
| Lolabama Ranch | Park | 7,052 | 9 | 42.4 | | 77 | 30 | 11 | 19 | 43 | 0.90 | | 0.30 | 3.0 | 7 | 12 | 14 | 5 | Mary E. Painter. |
| Lovell | Bighorn | 3,825 | 7 | | | | | | | | | | | | | | | | R. Fred Harrison. |
| Lusk | Niobrara | 5,007 | 22 | 52.5 | + 0.8 | 92 | 26 | 25 | 2 | 46 | 1.63 | - 1.07 | 0.87 | 0 | 4 | | | | D. E. Goddard. |
| Manville | do | 5,050 | 3 | | | | | | | | 1.80 | | 0.69 | | 6 | 4 | 23 | 4 | L. C. Stoddard. |
| Moorcroft | Crook | 4,311 | 9 | 52.8 | | 92½ | 27 | 27 | 3 | 39* | 2.06 | | 1.00 | T. | 11 | 10* | 10* | 10* | C. T. McCampbell. |
| Moore | Albany | 6,000 | 12 | 51.6 | + 2.0 | 85 | 27 | 27 | 2 | 41 | 0.91 | - 1.32 | 0.20 | 0.4 | 11 | 2 | 19 | 10 | Edwin Moore. |
| Newcastle | Weston | 4,319 | 6 | 54.8 | | 92 | 29 | 26 | 3 | 42 | 1.38 | | 0.41 | 0 | 6 | 8 | 14 | 9 | Dr. S. W. Johnson. |
| Pathfinder | Natrona | 5,735 | 7 | 54.1 | + 1.2 | 82 | 26 | 27 | 1 | 39 | 0.83 | - 1.02 | 0.37 | T. | 7 | 7 | 23 | 1 | U. S. Reclamation Service. |
| Pinebluff | Laramie | 5,038 | 10 | 54.8 | + 1.9 | 85½ | 27† | 30* | 2 | 41† | 2.14 | - 0.22 | 0.70 | T. | 9 | 17† | 0† | 8† | C. L. Beatty. |
| Pine Ridge | Crook | | 1 | | | | | | | | 1.88 | | 1.01 | T. | 5 | 9† | 5† | 11† | J. E. S. Altaffer. |
| Powell | Park | 4,376 | 5 | 53.6 | | 85 | 26 | 21 | 3 | 39 | 0.71 | | 0.16 | 0.2 | 10 | 10 | 4 | 17 | U. S. Reclamation Service. |
| Rawlins | Carbon | 6,748 | 11 | 52.5 | + 2.5 | 82 | 26 | 21 | 3 | 42 | 0.43 | - 1.17 | 0.14 | T. | 8 | 10 | 15 | 6 | E. J. Ehrenfeld. |
| Rock River | Albany | 6,900 | | | | | | | | | 1.02 | | 1.00 | T. | 3 | 15 | 14 | 2 | Rock Creek Conservation Co. |
| Rockypoint | Crook | | 1 | | | | | | | | 2.97 | | 1.19 | 0.5 | 10 | 11 | 11 | 9 | P. Woxon. |
| Saratoga | Carbon | 6,785 | 15 | 52.8 | + 2.8 | 82 | 30 | 24 | 6 | 46 | 0.50 | - 1.07 | 0.50 | 2.0 | 1 | 17 | 12 | 2 | R. G. Hamilton. |
| Seven-mile Creek | do | | 2 | 42.8 | | 70½ | 26 | 16½ | 1 | 34½ | 0.48 | | 0.15 | 0.9 | 6 | 9½ | 0½ | 12½ | U. S. Forest Service. |
| Sheridan | Sheridan | 3,790 | 18 | 52.4 | + 1.5 | 87 | 27 | 26 | 3 | 42 | 1.52 | - 1.80 | 0.36 | 0.7 | 13 | 7 | 13 | 11 | U. S. Weather Bureau. |
| Shoshone Dam | Park | 5,385 | 7 | 52.6 | | 84 | 26 | 22 | 1 | 40 | 1.43 | | 0.38 | 0.5 | 13 | 6 | 15 | 10 | U. S. Reclamation Service. |
| Soldiers Home | Johnson | 4,635 | 21 | | | | | | | | | | | | | | | | Joel C. Smiley. |
| South Pass City | Fremont | 7,786 | 11 | 45.4 | | 74 | 26 | 21 | 6 | 41 | 1.11 | | 0.30 | 0.6 | 11 | 8 | 17 | 6 | John Sherlock. |
| Sundance | Crook | 4,750 | 1 | 50.0 | | 88 | 27 | 26 | 1 | 34 | 2.05 | | 0.80 | 0.3 | 7 | 6 | 18 | 7 | Geo. W. Ashdown. |
| Thermopolis | Hot Springs | 4,350 | 9 | 55.2 | | 87 | 27 | 28 | 3 | 43 | 1.34 | | 0.42 | 4.5 | 10 | 11 | 14 | 6 | A. L. Duhig. |
| Thornton | Weston | 4,452 | 1 | 61.8 | | 90 | 28† | 28 | 4 | 56 | 4.01 | | 3.47 | T. | 4 | 14 | 0 | 17 | Geo. H. Ferguson. |
| Ulm | Sheridan | 4,448 | 1 | 51.8 | | 88 | 26 | 26 | 3 | 43 | 1.21 | | 0.29 | T. | 10 | 9 | 15 | 7 | W. H. Coleman. |
| Verona | do | 4,360 | 4 | | | | | | | | 1.35 | | 0.42 | 5.0 | 6 | 15 | 9 | 7 | O. A. Roode. |
| Wheatland | Platte | 4,700 | 2 | 52.7 | | 94 | 26 | 19 | 3 | 60 | 1.92 | | 0.95 | 1.6 | 7 | 11 | 9 | 11 | C. A. Rockwell. |
| Winters Ranch | Carbon | 7,400 | 3 | | | | | | | | 0.64 | | 0.33 | 4.0 | 3 | 8 | 21 | 2 | Ira G. Wiant. |
| Woodrock | Sheridan | 8,500 | 2 | | | | | | | | 2.38 | | 0.50 | 15.0 | 13 | 13 | 11 | 7 | U. S. Forest Service. |
| Worland | Washakie | 4,033 | 2 | 51.2 | | 83½ | 31 | 27 | 3 | 36½ | 1.13 | | 0.34 | T. | 8 | 10 | 16 | 5 | Prof. B. C. Buffum. |
| Wynote | Goshen | 1,186 | 6 | 54.6 | | 86 | 27 | 28 | 3 | 44 | 3.02 | | 1.10 | 0 | 9 | 3 | 25 | 3 | U. S. Reclamation Service. |
| Yellowstone Park | Yellowstone Park | 6,200 | 25 | 46.0 | + 1.4 | 75 | 26 | 23 | 3 | 39 | 2.81 | + 0.90 | 0.89 | 6.9 | 15 | 5 | 11 | 15 | U. S. Weather Bureau. |
| Fairview Dome | do | 7,000 | 8 | 44.2 | | 84 | 26 | 19 | 15 | 51 | 4.01 | | 1.22 | 4.5 | 11 | 8 | 7 | 16 | U. S. Army. |
| Fountain | do | 7,220 | 7 | 42.4 | | 72 | 26 | 23 | 1† | 40 | 1.80 | | 0.50 | 5.7 | 7 | 6 | 10 | 15 | Do. |
| Gallatin | do | 7,400 | 2 | | | | | | | | 1.20 | | 0.40 | 7.0 | 6 | 10 | 12 | 9 | Do. |
| Grand Canyon | do | 7,900 | 6 | 41.1 | | 70 | 26 | 10 | 6 | 46 | 0.65 | | 0.60 | 6.0 | 2 | 5 | 11 | 15 | Do. |
| Lake Yellowstone | do | 7,733 | 9 | 39.6 | | 67 | 31 | 9 | 3 | 35 | 2.68 | | 0.60 | 15.6 | 11 | 8 | 5 | 18 | Do. |
| Norris | do | 7,500 | 9 | 40.1 | | </ | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|--------------------|-----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|----------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelting. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Montana—Continued. | | | | | | | | | | | | | | | | | | | | |
| Cascade | Cascade | 3,361 | 8 | 52.6 | + 0.4 | 87 | 26 | 22 | 1 | 39 | 2.23 | - 1.31 | 0.69 | 6.0 | 12 | 4 | 22 | 5 | sw. | Dr. E. E. James. |
| Chessman Reservoir | Lewis and Clark | 6,275 | 4 | 42.4 | ..... | 77 | 26 | 15 | 1 | 37 | 1.98 | ..... | 0.52 | 14.5 | 16 | 15 | 2 | 14 | sw. | C. D. Schmidt. |
| Chester | Hill | 3,140 | 9 | 50.2 | - 3.7 | 89 | 24 | 22 | 4 | 44 | 1.49 | - 0.15 | 0.80 | 0 | 4 | 12 | 16 | 3 | w. | C. F. Baker. |
| Chinook | Blaine | 2,502 | 14 | 51.2 | - 4.3 | 86 | 30 | 21 | 1 | 39 | 1.94 | - 0.54 | 0.74 | 0 | 8 | 12 | 12 | 7 | w. | T. O'Hanlon Co. |
| Clearcreek | do. | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Cortez Sedgewick. |
| Clydepark | Park | 5,027 | 1 | 49.1 | ..... | 83 | 26 | 22 | 1 | 41 | 2.27 | ..... | 0.52 | 7.0 | 11 | 7 | 11 | 13 | nw. | Frank Taylor. |
| Conrad | Teton | 2 | 52.4 | ..... | ..... | 82 | 27 | 30 | 6 | 40 | 1.22 | ..... | 0.27 | 0 | 9 | 16 | 6 | 9 | w. | Robert J. Kelly. |
| Copper | Meagher | ..... | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.94 | ..... | 0.51 | 5.0 | 12 | 14 | 9 | 8 | w. | Orville Harris. |
| Crow Agency | Big Horn | 3,041 | 30 | 56.0 | - 0.2 | 90 | 27 | 31 | 3 | 45 | 1.26 | - 1.23 | 0.70 | 0 | 4 | ..... | ..... | ..... | ..... | Harry Throssell. |
| Culbertson | Sheridan | 1,927 | 10 | 52.0 | - 3.3 | 95 | 27 | 25 | 2 | 47 | 2.35 | - 0.18 | 0.75 | 10.0 | 9 | 7 | 17 | 7 | w. | G. H. Coulter. |
| Cut Bank | Teton | 3,700 | 14 | 49.0 | + 0.1 | 82 | 26 | 18 | 1 | 39 | 1.50 | - 1.36 | 0.50 | 0 | 5 | 20 | 7 | 3 | w. | Chas. N. Thomas. |
| Denton | Fergus | 3,500 | 4 | 51.0 | ..... | 86 | 26 | 22 | 1 | 35 | 2.54 | ..... | 0.70 | 2.0 | 13 | 13 | 9 | 9 | w. | P. J. Griesenauer. |
| Dillon | Beaverhead | 5,147 | 15 | 50.2 | - 0.8 | 81 | 28 | 32 | 1 | 39 | 2.78 | - 0.59 | 0.62 | T. | 13 | 14 | 6 | 11 | sw. | Prof. J. E. Monroe. |
| Dry Wolf Camp | Cascade | 6,000 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. Harriet R. Eveleth. |
| Dunkirk | Teton | 3,293 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.52 | ..... | 0.33 | 0 | 10 | 19 | 6 | 6 | sw. | B. C. Protzman. |
| Edkalaka | Custer | 12 | 51.8 | - 1.1 | 90 | 27 | 25 | 1 | 43 | 1.48 | - 0.85 | ..... | 0.62 | 1.4 | 11 | 6 | 7 | 18 | nw. | William Freese. |
| Fallon | do. | 2,208 | 8 | 54.6 | ..... | 91 | 27 | 25 | 5 | 40 | 1.72 | ..... | 0.75 | 0 | 8 | 14 | 10 | 7 | w. | Mrs. A. C. Gifford. |
| Finlon | Meagher | 6,000 | 1 | 45.8 | ..... | 78 | 27 | 18 | 1 | 34 | 3.02 | ..... | 1.01 | 5.1 | 17 | 12 | 5 | 14 | w. | Lewis Cameron. |
| Flathead Creek | Gallatin | 6,000 | 2 | 46.3 | ..... | 80 | 27 | 13 | 1 | 39 | 2.71 | ..... | 0.74 | 6.7 | 12 | 5 | 12 | 14 | sw. | Alta Williams. |
| Forsyth | Rosebud | 2,514 | 6 | 55.4 | ..... | 96 | 27 | 28 | 5 | 45 | 2.67 | ..... | 0.83 | 0 | 8 | 11 | 8 | 12 | nw. | H. Mackenzie. |
| Fort Benton | Chouteau | 2,630 | 33 | 54.7 | - 0.2 | 87 | 27 | 30 | 2 | 42 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Jere Sullivan. |
| Fort Shaw | Cascade | 3,500 | 24 | 51.2 | - 0.7 | 85 | 26 | 19 | 1 | 38 | 1.06 | - 1.00 | 0.24 | 3.0 | 11 | 4 | 12 | 15 | sw. | U. S. Reclamation Service. |
| Foster | Big Horn | 5,500 | 3 | 54.8 | ..... | 89 | 27 | 32 | 4 | 44 | 1.46 | ..... | 0.51 | 0 | 10 | 14 | 10 | 7 | ne. | E. K. Bowman. |
| Garnett | Fergus | 4,147 | 4 | 44.2 | ..... | 81 | 26 | 14 | 2 | 36 | 2.73 | ..... | 1.10 | 17.6 | 9 | 5 | 14 | 12 | sw. | Thos. E. Scally. |
| Geyser | Cascade | 4,147 | ..... | 55.4 | ..... | 84 | 27 | 30 | 3 | 22 | 3.04 | ..... | 0.88 | ..... | 12 | 11 | 8 | 12 | ..... | I. G. Finrock. |
| Glasgow | Valley | 2,092 | 16 | 51.0 | - 6.9 | 91 | 27 | 18 | 1 | 40 | 2.07 | - 0.60 | 0.66 | 0 | 7 | 16 | 7 | 8 | w. | W. M. Leonard. |
| Glendive | Dawson | 2,069 | 22 | 54.0 | - 2.9 | 93 | 27 | 20 | 5 | 42 | 1.34 | - 1.29 | 1.08 | T. | 5 | 8 | 13 | 10 | e. | E. C. Leonard. |
| Goldbutte | Hill | 5 | 49.0 | ..... | 82 | 26 | 15 | 1 | 42 | 1.10 | ..... | ..... | 0.30 | 2.0 | 10 | 13 | 13 | 5 | w. | Joseph Berthelote. |
| Graham | Custer | 7 | 52.6 | ..... | 90 | 27 | 28 | 3 | 41 | 1.75 | ..... | ..... | 0.39 | T. | 11 | 17 | 6 | 8 | nw. | J. S. Rue. |
| Great Falls | Cascade | 3,350 | 21 | 52.4 | - 1.7 | 86 | 30 | 27 | 1 | 36 | 1.77 | - 0.83 | 0.61 | 7.5 | 14 | 13 | 10 | 8 | ..... | S. H. Bauman. |
| Harlowton | Meagher | 4,165 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Joseph Muir. |
| Havre | Hill | 2,505 | 33 | 51.6 | - 2.5 | 85 | 27 | 22 | 1 | 34 | 1.80 | - 0.29 | 0.87 | T. | 9 | 9 | 12 | 10 | e. | U. S. Weather Bureau. |
| Hebgen Dam | Gallatin | 6,700 | 7 | 46.0 | ..... | 76 | 26 | 21 | 2 | 39 | 2.35 | ..... | 0.86 | T. | 9 | 1 | 17 | 13 | s. | T. I. Carson. |
| Helena | Lewis and Clark | 4,110 | 33 | 51.4 | - 0.2 | 87 | 26 | 24 | 1 | 34 | 2.00 | + 0.05 | 0.56 | 4.3 | 12 | 2 | 13 | 16 | sw. | U. S. Weather Bureau. |
| Highwood | Chouteau | ..... | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.38 | ..... | 0.60 | 5.4 | 10 | 12 | 9 | 10 | sw. | W. S. McCord. |
| Huntley | Yellowstone | 3,014 | 7 | 53.8 | ..... | 90 | 26 | 29 | 1 | 42 | 1.39 | ..... | 0.31 | 0 | 10 | 15 | 7 | 9 | w. | U. S. Reclamation Service. |
| Jordan | Dawson | 2 | 55.4 | ..... | 92 | 27 | 23 | 5 | 40 | 1.57 | ..... | ..... | 0.60 | 0 | 6 | 20 | 0 | 7 | ne. | W. C. Henderson. |
| Knobles Ranch | Hill | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.48 | ..... | 0.39 | 1.5 | 8 | 13 | 5 | 13 | w. | F. H. Knoble. |
| Lewistown | Fergus | 4,010 | 15 | 49.2 | - 1.2 | 85 | 26 | 20 | 1 | 38 | 2.26 | - 1.05 | 0.87 | 2.0 | 11 | 13 | 6 | 12 | w. | W. W. Watson. |
| Lonetree | Chouteau | 3,280 | 7 | 50.0 | ..... | 83 | 30 | 22 | 1 | 37 | 2.40 | ..... | 0.70 | 8.8 | 7 | 16 | 11 | 4 | w. | E. Wilson. |
| Lothair | Hill | 3,301 | 1 | 50.2 | ..... | 88 | 27 | 11 | 1 | 38 | 1.90 | ..... | 1.00 | T. | 9 | 20 | 3 | 8 | w. | James H. Whiteley. |
| Lytle | Chouteau | ..... | 1 | 50.0 | ..... | 82 | 26 | 19 | 1 | 34 | 1.32 | ..... | 0.38 | 0.5 | 11 | 18 | 7 | 6 | sw. | J. F. Falt. |
| Malta | Valley | 2,240 | 6 | 54.8 | ..... | 92 | 27 | 20 | 1 | 42 | 2.97 | ..... | 0.65 | 0 | 8 | 13 | 11 | 3 | sw. | U. S. Reclamation Service. |
| Medicine Lake | Sheridan | ..... | 2 | 50.6 | ..... | 93 | 27 | 17 | 6 | 46 | 1.42 | ..... | 0.48 | 1.2 | 9 | 18 | 9 | 3 | sw. | J. S. Collier. |
| Melstone | Musselshell | 2,903 | 1 | 55.5 | ..... | 93 | 27 | 28 | 1 | 38 | 1.76 | ..... | 0.45 | 0 | 7 | 15 | 12 | 4 | sw. | W. C. Greening. |
| Mildred | Custer | ..... | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.20 | ..... | 0.77 | T. | 11 | 11 | 17 | 3 | sw. | Leon B. Clark. |
| Miles City | do. | 2,371 | 21 | 56.4 | - 0.3 | 92 | 27 | 31 | 5 | 35 | 2.52 | + 0.54 | 0.73 | T. | 11 | 10 | 17 | 4 | ne. | U. S. Weather Bureau. |
| Norris | Madison | 4,845 | 6 | 52.6 | ..... | 87 | 28 | 23 | 1 | 38 | 1.94 | ..... | 0.46 | 0 | 13 | 6 | 8 | 17 | s. | Madison River Power Co. |
| Olsen Creek | Jefferson | 6,345 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.96 | ..... | 0.40 | 0.8 | 12 | 10 | 10 | 11 | w. | Robert Olsen. |
| Pinegrove | Musselshell | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.24 | ..... | 0.82 | 1.0 | 11 | 12 | 11 | 8 | w. | G. W. White. |
| Pipestone Pass | Jefferson | 7,000 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. T. Kelmeyer. |
| Plevna | Custer | 2,757 | 1 | 51.2 | ..... | 90 | 27 | 25 | 6 | 41 | 1.56 | ..... | 0.38 | 0 | 12 | 18 | 2 | 11 | nw. | C. C. Conser. |
| Poplar | Sheridan | 2,020 | 27 | 53.7 | - 2.4 | 94 | 27 | 21 | 1 | 43 | 1.87 | - 0.12 | 0.70 | 1.0 | 4 | 17 | 9 | 5 | n. | H. M. Cosler. |
| Red Lodge | Carbon | 5,548 | 13 | 46.8 | - 1.3 | 82 | 27 | 21 | 3 | 40 | 1.11 | - 3.60 | 0.22 | 2.0 | 10 | 8 | 13 | 10 | se. | U. S. Reclamation Service. |
| Renova | Jefferson | 4,383 | 14 | 51.7 | - 0.2 | 85 | 26 | 15 | 1 | 48 | 2.14 | - 0.11 | 0.65 | T. | 9 | 13 | 8 | 10 | sw. | Olaf C. Field. |
| Ryegate | Musselshell | 3,640 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Fred W. Arndt. |
| Savage | Dawson | 2,050 | 7 | 53.0 | ..... | 94 | 27 | 26 | 5 | 44 | 1.78 | ..... | 0.51 | 4.0 | 8 | 13 | 10 | 8 | w. | Mrs. H. L. Miller. |
| Shelby | Teton | 3,276 | 1 | 50.4 | ..... | 84 | 28 | 14 | 1 | 40 | 1.47 | ..... | 0.35 | 0 | 6 | 15 | 5 | 11 | sw. | C. R. Noyes. |
| Sidney | Dawson | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | U. S. Reclamation Service. |
| Springbrook | do. | ..... | 11 | 53.3 | - 0.7 | 90 | 27 | 20 | 1 | 60 | 1.80 | - 1.07 | 0.82 | T. | 8 | 11 | 11 | 9 | s. | C. E. Adams. |
| Sunlit Farm | Blaine | 1 | 48.6 | ..... | 84 | 27 | 13 | 1 | 35 | 1.73 | ..... | ..... | 0.55 | 0 | 8 | 12 | 9 | 10 | w. | P. W. Korell. |
| Sun River Canyon | Teton | 4,650 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | B. M. Bean. |
| Three Forks | Gallatin | 4,066 | 2 | 53.8 | ..... | 90 | 26 | 22 | 1 | 47 | 1.93 | - 0.07 | 0.53 | 3.5 | 13 | 18 | 11 | 2 | w. | R. M. Templeton. |
| Utica | Fergus | 5,000 | 18 | 48.2 | - 1.9 | 85 | 26 | 21 | 4 | 37 | 2.78 | ..... | 1.21 | 0 | 5 | 19 | 5 | 7 | w. | D. I. Doig. |
| Valentine | do. | 6 | 52.1 | ..... | 90 | 27 | 17 | 1 | 40 | 2.60 | ..... | ..... | 0.31 | 0.8 | 9 | 10 | 6 | | | |

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|-----------------------|--------------|------------------|--------------------------|-------------------------------------|----------------------------|------------------|-----------------|-----------------|-----------------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of overcast days. |
| North Dakota—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Marstonmoor. | Stutsman. | 4 | 49.7 | ..... | ..... | 91 | 27 | 17 | 6 | 41 | 1.02 | ..... | 0.25 | T. | 7 | ..... | ..... | ne. | H. H. McCumber. | |
| Medora. | Billings. | 2,225 | 19 | 53.2 | + 0.5 | 100 ^b | 27 | 25 ^b | 21 | 48 ^b | 1.11 | - 1.49 | 0.41 | T. | 4 | ..... | ..... | nw. | Frank Gotschall. | |
| Melville. | Poster. | 1,590 | 15 | 50.4 | ..... | 91 | 26 | 21 | 5 | 41 | 1.82 | ..... | 0.67 | 0 | 10 | 8 | 7 | 16 | nw. | J. P. Kidder. |
| Mott. | Hettinger. | 6 | 50.4 | ..... | ..... | 91 | 26 | 21 | 5 | 41 | 1.82 | ..... | 0.67 | 0 | 10 | 8 | 7 | 16 | nw. | O. H. Opland. |
| Napoleon. | Logan. | 1,955 | 21 | 49.8 | - 3.0 | 94 | 27 | 18 | 3 | 44 | 1.17 | - 1.29 | 0.40 | T. | 9 | 7 | 5 | 19 | se. | C. J. Hoof. |
| New England. | Hettinger. | 2,400 | 19 | 51.6 | + 0.2 | 91 | 27 | 23 | 6 | 44 | 2.12 | - 0.13 | 0.59 | 0 | 10 | 5 | 14 | 12 | ne. | J. M. Connolly. |
| New Rockford. | Eddy. | 1,531 | 2 | 52.0 | ..... | 94 | 27 | 26 | 2 | 43 | 1.52 | ..... | 1.04 | 0 | 5 | 8 | 17 | 6 | nw. | J. V. M. Sundberg. |
| New Salem. | Morton. | 2,163 | 8 | 51.4 | ..... | 90 | 27 | 25 | 5 | 38 | 2.30 | ..... | 1.02 | 1.0 | 7 | 9 | 7 | 15 | nw. | J. Christiansen. |
| Orange. | Adams. | 4 | 49.8 | ..... | ..... | 91 | 27 | 19 | 6 | 41 | 1.92 | ..... | 0.54 | 1.5 | 9 | 11 | 10 | 10 | nw. | J. E. Goforth. |
| Ranger. | Billings. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.98 | ..... | 0.91 | 1.0 | 10 | 16 | 4 | 11 | nw. | R. E. Sheriff. |
| Steele. | Kidder. | 1,857 | 16 | 49.5 | - 4.4 | 94 | 27 | 28 | 9 | 38 | 1.19 | - 1.20 | 1.05 | T. | 3 | 8 | 18 | 5 | ..... | H. S. Wood. |
| Turtle Lake. | McLean. | 1 | 51.7 | ..... | ..... | 93 | 27 ^a | 24 | 6 | 44 | 1.58 | ..... | 0.43 | ..... | 6 | 10 | 7 | 14 | nw. | E. G. Ranum. |
| Washburn. | do. | 1,734 | 15 | 53.1 | - 0.4 | 94 | 27 | 25 | 6 | 51 | 1.77 | ..... | 0.75 | 0 | 5 | 8 | 16 | 7 | w. | W. R. Peterson. |
| Williston. | Williams. | 1,875 | 34 | 51.9 | - 2.4 | 93 | 27 | 24 | 6 | 42 | 0.85 | - 1.41 | 0.31 | 0.1 | 13 | 2 | 15 | 14 | se. | U. S. Weather Bureau. |
| South Dakota. | | | | | | | | | | | | | | | | | | | | |
| Aberdeen. | Brown. | 1,300 | 23 | 54.0 | - 2.0 | 94 | 27 ^a | 26 | 6 | 44 | 4.05 | + 0.18 | 1.15 | 0 | 15 | 12 | 3 | 16 | ne. | D. G. Gallett. |
| Academy. | Charles Mix. | ..... | 14 | 57.0 | - 1.5 | 95 | 28 | 33 | 3 | 41 | 2.57 | - 0.64 | 0.48 | 0 | 13 | 13 | 6 | 12 | ne. | I. T. Lohrop. |
| Alexandria. | Hanson. | 1,352 | 25 | 57.8 | + 0.3 | 93 | 28 ^a | 31 | 6 | 43 | 5.67 | + 2.36 | 2.70 | 0 | 10 | 10 | 11 | 10 | se. | C. H. Stillwell. |
| Armour. | Douglas. | 1,521 | 18 | 55.6 | - 3.1 | 92 | 27 ^a | 28 | 6 | 48 | 2.60 | - 0.79 | 0.60 | 0 | 7 | ..... | ..... | ..... | n. | T. J. Markey. |
| Bellefourche. | Butte. | 3,000 | 5 | 54.4 | ..... | 95 | 26 | 25 | 9 | 47 | 2.13 | ..... | 0.55 | 0 | 11 | 1 | 20 | 10 | se. | U. S. Reclamation Service. |
| Blunt. | Hughes. | 1,621 | ..... | ..... | ..... | 93 ^a | 27 ^a | 26 ^a | 6 | 39 ^a | 3.12 | ..... | 1.50 | 0 | 11 | 0 | 15 | 16 | nw. | James A. Howard. |
| Britton. | Marshall. | 1,354 | ..... | ..... | ..... | 93 ^a | 27 ^a | 26 ^a | 6 | 39 ^a | 3.12 | ..... | 0.75 | 0 | 11 | 13 | 8 | 10 | n. | W. S. Given. |
| Brookings. | Brookings. | 1,636 | 24 | 54.4 | - 0.8 | 89 | 27 ^a | 27 | 19 | 35 | 3.50 | + 0.27 | 1.03 | 0 | 14 | 17 | 1 | 13 | ne. | Experiment Station. |
| Bryant. | Hamlin. | 1,846 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. W. Ault. |
| Camp Crook. | Harding. | 3,000 | 20 | 50.8 | - 3.5 | 91 ^b | 27 | 26 ^b | 3 | 43 ^b | 2.63 | + 0.51 | 0.77 | 0.5 | 10 | 12 | 11 | 8 | nw. | U. S. Forest Service. |
| Canton. | Lincoln. | 1,248 | 18 | 55.4 | - 2.8 | 91 | 29 | 28 | 6 | 42 | 5.62 | + 1.92 | 1.42 | 0 | 10 | 14 | 7 | 10 | se. | John H. Holsey. |
| Cascade Springs. | Fall River. | 3,422 | 5 | 49.6 | ..... | 94 ^a | 27 | 23 ^a | 3 | 47 ^a | 2.52 | ..... | 1.07 | 0 | 8 | 10 | 11 | 10 | ..... | Fred Noerenberg. |
| Castlewood. | Hamlin. | 1,685 | 8 | 53.0 | ..... | 90 | 27 | 26 | 6 | 41 | 3.54 | ..... | 0.83 | T. | 15 | 2 | 6 | 23 | nw. | M. N. Bradley. |
| Centerville. | Turner. | 1,229 | 16 | 55.9 | ..... | 94 | 29 | 36 | 10 ^a | 40 | 5.57 | + 1.64 | 1.29 | 0 | 12 | 6 | 11 | 14 | nw. | Frank Williams. |
| Clark. | Clark. | 1,779 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.40 | + 1.34 | 1.12 | 0 | 11 | 9 | 9 | 13 | e. | O. H. La Craft. |
| Cottonwood. | Stanley. | 2,414 | 5 | 55.6 | ..... | 94 | 27 | 29 | 3 | 45 | 2.95 | ..... | 1.06 | 0 | 8 | 9 | 13 | 9 | ne. | Experiment Station. |
| Custer. | Custer. | 5,316 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.93 | ..... | 0.97 | 2.0 | 13 | 10 | 11 | 10 | e. | R. P. Ames. |
| Daviston. | Perkins. | ..... | 3 | 51.2 | ..... | 86 | 28 ^a | 25 | 6 | 39 | 2.73 | ..... | 1.00 | 0 | 6 | 5 | 19 | 7 | nw. | Dyson Byers. |
| Deadwood. | Lawrence. | 4,535 | 4 | 49.6 | ..... | 92 | 27 | 24 | 30 | 43 | 3.10 | ..... | 1.00 | 0.8 | 7 | 12 | 9 | 10 | ..... | R. E. Grimshaw. |
| Deerfield. | Pennington. | 6,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.35 | ..... | 0.55 | 0.6 | 12 | 10 | 11 | 10 | w. | Frank E. Miller. |
| De Smet. | Kingsbury. | 1,726 | 20 | 52.8 | - 2.5 | 89 | 27 ^a | 28 | 6 | 40 | 4.19 | - 1.35 | 1.02 | 0 | 11 | 0 | 23 | 8 | ne. | W. E. White. |
| Dowling. | Stanley. | 2,250 | 4 | 54.9 | ..... | 95 | 27 | 30 | 3 | 40 | 4.80 | ..... | 2.10 | 0 | 10 | 9 | 14 | 8 | nw. | M. P. Dowling. |
| Dumont. | Lawrence. | 6,195 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.36 | ..... | 0.73 | 0.9 | 12 | 8 | 10 | 13 | nw. | A. B. Wood. |
| Eagle Butte. | Dewey. | 2,415 | 1 | 53.7 | ..... | 93 | 28 | 25 | 3 | 38 | 2.86 | ..... | 0.88 | 0 | 10 | 9 | 17 | 5 | ..... | Dr. John F. Chandler. |
| Eales. | Potter. | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.99 | ..... | 0.54 | T. | 11 | 6 | 10 | 15 | e. | A. H. Peterson. |
| Elk Mountain. | Custer. | 4,700 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.89 | ..... | 1.26 | 0 | 6 | 9 | 12 | 10 | nw. | James E. Blaine. |
| Ellington. | Perkins. | ..... | 1 | 51.6 | ..... | 90 | 27 | 21 | 6 | 41 | 2.02 | ..... | 0.81 | 1.0 | 10 | 9 | 14 | 8 | nw. | Carl G. Moen. |
| Englewood. | Lawrence. | 5,723 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | W. P. Wagner. |
| Eureka. | McPherson. | 1,884 | 4 | 52.4 | ..... | 92 | 27 | 21 | 3 ^a | 43 | 1.97 | ..... | 0.50 | 0 | 10 | 4 | 19 | 8 | n. | Experiment Station. |
| Fairfax. | Gregory. | ..... | 9 | 57.4 | ..... | 94 | 27 ^a | 32 | 3 | 45 | 2.65 | ..... | 0.80 | 0 | 9 | 17 | 5 | 9 | nw. | U. G. Stevenson. |
| Faith. | Meade. | 2,560 | ..... | ..... | ..... | 93 | 27 | 28 | 3 | 41 | 2.38 | ..... | 0.55 | 0 | 11 | 2 | 13 | 16 | e. | Robert R. Saul. |
| Faulton. | Faulk. | 1,595 | 18 | 54.4 | - 1.7 | 90 | 27 | 27 | 6 | 38 | 5.14 | + 2.60 | 2.24 | 0 | 12 | 12 | 7 | 12 | ne. | Miss Belle Talcott. |
| Flandreau. | Moody. | 1,565 | 23 | 55.0 | - 1.2 | 90 | 29 | 32 | 6 | 41 | 4.47 | + 0.54 | 1.80 | 0 | 12 | 7 | 9 | 15 | s. | D. R. McLean. |
| Forestburg. | Sanborn. | 1,231 | 21 | 57.7 | + 0.1 | 94 | 28 ^a | 33 | 19 | 48 | 5.10 | + 2.36 | 1.17 | 0 | 14 | 9 | 9 | 13 | se. | S. S. Judy. |
| Fort Meade. | Meade. | 3,624 | 30 | 51.3 | - 3.6 | 89 | 28 | 29 | 3 | 34 | 3.10 | - 1.08 | 1.00 | 0 | 7 | 12 | 1 | 18 | w. | Post Hospital. |
| Frederick. | Brown. | 1,371 | 4 | 54.2 ^a | ..... | 94 ^a | 29 | 25 ^a | 6 | 49 ^a | 3.61 | ..... | 0.95 | 0 | 7 | 13 | 11 | 7 | ne. | J. E. Jeffers. |
| Greenmont. | Lawrence. | 6,430 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | w. | H. C. Hoffbuhr. |
| Greenwood. | Charles Mix. | ..... | 19 | 58.8 | - 1.8 | 95 | 28 ^a | 35 | 6 | 45 | 3.38 | + 0.36 | 0.90 | 0 | 11 | 13 | 8 | 10 | nw. | T. C. Williamson. |
| Goldfield. | Meade. | 3,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. M. Alexander. |
| Hardingrove. | Stanley. | ..... | 1 | 55.7 | ..... | 97 | 27 | 31 | 3 | 40 | 4.50 | ..... | 1.55 | 0 | 10 | 6 | 11 | 14 | n. | Mrs. Laura Sinclair. |
| Hardy Ranger Station. | Lawrence. | 6,600 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.85 | ..... | 0.83 | T. | 7 | 7 | 12 | 12 | s. | Mrs. Mary M. Schmidt. |
| Harveys Ranch. | do. | 6,282 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Jerome Harvey. |
| Hermosa. | Custer. | 3,278 | 7 | 54.5 | ..... | 93 | 26 | 26 | 2 | 56 | 3.73 | ..... | 0.70 | 0 | 15 | 10 | 12 | 9 | n. | S. M. Booth. |
| Highmore. | Hyde. | 1,890 | 20 | 54.6 | - 2.1 | 90 | 28 | 28 | 3 | 38 | 4.56 | + 2.24 | 1.49 | 0 | 12 | 9 | 6 | 16 | nw. | Experiment Station. |
| Hopewell. | Stanley. | ..... | 3 | 54.6 | ..... | 96 | 27 | 24 | 3 | 43 | 3.71 | ..... | 0.98 | 0 | 9 | 5 | 15 | 11 | ne. | E. R. Myers. |
| Howard. | Miner. | 1,564 | 21 | 53.6 ^a | - 3.0 | 90 ^a | 29 | 28 ^a | 6 | 45 ^a | 4.12 | + 1.42 | 1.45 | 0 | 15 | 9 | 13 | 9 | se. | J. J. Cox. |
| Howell. | Hand. | ..... | 11 | 54.4 | - 0.9 | 93 | 27 | 24 | 6 | 45 | 3.63 | + 0.30 | 1.15 | 0 | 15 | 10 | 10 | 11 | ne. | M. A. Shuster, jr. |
| Huron. | Beadle. | 1,306 | 31 | 55.2 | - 2.1 | 92 | 27 | 32 | 6 | 40 | 4.53 | + 1.61 | 1.99 | 0 | 12 | 7 | 11 | 13 | nw. | U. S. Weather Bureau. |
| Ipswich. | Edmunds. | 1,530 | 16 | 54.3 | - 0.9 | 98 ^a | 28 | 24 ^a | 6 | 45 ^a | 3.00 | - 0.92 | 0.62 | 0 | 10 | 7 | 12 | 12 | nw. | H. J. Dailey. |
| Kadoka. | Stanley. | 2,467 | 4 | 54.9 | ..... | 95 | 27 | 29 | 17 | 41 | 2.65 | ..... | 0.57 | 0 | 8 | 9 | 10 | 12 | nw. | Rev. D. S. Brown. |
| Kennebec. | Lyman. | 1,089 | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|------------------------|--------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|----------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|-------------------------|--------------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelting. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| South Dakota—Contd. | | | | | | | | | | | | | | | | | | | | |
| Rochford. | Pennington. | 5,228 | 3 | | | | | | | 3.02 | | 0.74 | 2.5 | 10 | 4 | 12 | 15 | nw. | Mrs. M. E. Deffenbaugh. | |
| Rosebud. | Todd. | 2,600 | 19 | 55.0 | - 2.6 | 92 | 27 | 27 | 3 | 37 | 3.07 | + 0.59 | 1.07 | T. | 13 | 5 | 17 | 9 | nw. | W. M. Ege. |
| Roslyn. | Day. | | 7 | 51.8 | | 88 | 27 | 28 | 6 | 37 | 3.94 | | 1.13 | 2.0 | 12 | 6 | 14 | 11 | nw. | O. O. Floren. |
| Selby. | Walworth. | | 5 | 53.9 | | 91 | 27 | 23 | 3 | 39 | 2.83 | | 0.73 | 0 | 7 | 8 | 11 | 12 | nw. | Miss Gertrude Hall. |
| Sioux Falls. | Minnehaha. | 1,400 | 22 | 56.2 | - 1.8 | 94 | 28 | 33 | 6 | 42 | 5.75 | + 1.55 | 1.04 | 0 | 18 | 10 | 2 | 19 | s. | J. H. Bechtold. |
| Sisseton. | Roberts. | 1,202 | 7 | 54.2 | | 88 | 27 | 34 | 1 | 36 | | | | | | 13 | 4 | 14 | nw. | George Gray. |
| Sorum. | Perkins. | | 2 | 50.8 | | 92 | 27 | 22 | 8 | 44 | 2.26 | | 0.65 | 0 | 10 | 12 | 9 | 9 | nw. | M. S. Eberhart. |
| Spearfish. | Lawrence. | 3,647 | 24 | 52.2 | - 1.7 | 92 | 27 | 30 | 1 | 35 | 2.78 | - 0.72 | 1.21 | 0 | 7 | 9 | 14 | 8 | e. | A. E. Johnson. |
| Stephan. | Hyde. | 1,840 | 9 | 54.0 | | 93 | 29 | 18 | 3 | 46 | 3.72 | | 1.15 | 0 | 11 | 8 | 8 | 15 | nw. | Rev. A. Mattingly. |
| Tama. | Meade. | | 3 | | | 95 | 27 | | | | 2.05 | | 0.70 | 0 | 6 | 20 | 0 | 11 | nw. | E. J. Lehman. |
| Timber Lake. | Dewey. | 2,163 | 1 | 54.0 | | 96 | 28 | 23 | 3 | 44 | 3.09 | | 0.64 | 0 | 10 | 4 | 20 | 7 | ne. | W. E. Prann. |
| Tyndall. | Bonhomme. | 1,418 | 16 | 57.8 | - 2.1 | 93 | 29 | 32 | 6 | 43 | 6.51 | + 2.67 | 2.38 | 0 | 15 | 11 | 9 | 11 | nw. | F. F. Chiadek. |
| Vale. | Butte. | 2,765 | 5 | 53.6 | | 92 | 27 | 20 | 4 | 48 | 2.57 | | 0.92 | 0 | 11 | 2 | 16 | 13 | ..... | U. S. Reclamation Service. |
| Vermilion. | Clay. | 1,222 | 12 | 59.0 | - 0.1 | 94 | 29 | 35 | 7 | 38 | 4.78 | + 0.73 | 1.88 | 0 | 13 | 16 | 6 | 9 | nw. | Prof. E. C. Perisho. |
| Waters Ranch. | Lawrence. | 4,000 | 3 | | | | | | | | 2.01 | | 0.76 | 0 | 11 | 11 | 11 | 9 | e. | George Waters. |
| Watertown. | Codington. | 1,735 | 19 | 52.0 | - 2.5 | 90 | 27 | 30 | 6 | 42 | 3.86 | + 0.55 | 0.90 | 0 | 14 | 11 | 6 | 14 | ne. | Robert Q. Wood. |
| Wentworth. | Lake. | | 20 | 54.4 | - 1.6 | 90 | 28 | 32 | 6 | 38 | 5.35 | + 1.72 | 1.37 | 0 | 14 | 15 | 8 | 8 | n. | R. C. Zimmerman. |
| White Lake. | Aurora. | 1,646 | 4 | | | | | | | | 3.07 | | 0.81 | 0 | 8 | 8 | 8 | 15 | e. | Mrs. G. A. Rogers. |
| Winnier. | Tripp. | 2,000 | 1 | 56.7 | | 102 | 28 | 30 | 2 | 39 | 2.45 | | 0.46 | 0 | 12 | 8 | 11 | 12 | se. | J. W. Barnum. |
| Wood. | Mellette. | | 1 | 56.6 | | 94 | 27 | 27 | 3 | 40 | 2.78 | | 0.86 | 0 | 9 | 10 | 10 | 11 | ne. | Fred E. Kirch. |
| Yankton. | Yankton. | 1,234 | 39 | 58.2 | - 1.8 | 96 | 29 | 38 | 10 | 38 | 5.87 | + 1.97 | 2.20 | 0 | 15 | 4 | 14 | 13 | nw. | U. S. Weather Bureau. |
| Minnesota. | | | | | | | | | | | | | | | | | | | | |
| Pipestone. | Pipestone. | 1,710 | 12 | 54.8 | - 0.8 | 87 | 29 | 30 | 6 | 35 | 4.30 | + 0.55 | 1.33 | 0 | 17 | 5 | 17 | 9 | ne. | A. L. Doan. |
| Colorado. | | | | | | | | | | | | | | | | | | | | |
| Arriba. | Lincoln. | 5,243 | 7 | 57.4 | | 89 | 29 | 28 | 15 | 50 | 1.14 | | 0.32 | 0 | 11 | 24 | 6 | 1 | ne. | C. A. Creel. |
| Auldurst. | Teller. | 8,500 | 3 | | | | | | | | 0.43 | | 0.15 | 1.0 | 6 | 6 | 19 | 5 | s. | Harry Dunmire. |
| Bennett (near). | Arapahoe. | 5,484 | 5 | | | | | | | | 1.24 | | 0.70 | 0 | 4 | 20 | 7 | 4 | ne. | J. F. Egelhoff. |
| Boulder. | Boulder. | 5,347 | 17 | 56.4 | + 0.3 | 87 | 29 | 32 | 2 | 35 | 1.85 | - 1.08 | 0.86 | 0 | 10 | 5 | 20 | 6 | e. | Prof. J. A. Hunter. |
| Burlington. | Kit Carson. | 4,160 | 10 | 61.3 | | 96 | 29 | 32 | 3 | 44 | 0.66 | - 0.98 | 0.32 | 0 | 8 | 12 | 17 | 2 | se. | W. P. Davis. |
| Cassels. | Park. | 8,445 | 3 | | | | | | | | 0.27 | | 0.15 | 0 | 3 | 14 | 12 | 5 | e. | Harriet M. Cassell. |
| Castle Rock. | Douglas. | 6,220 | 21 | 55.4 | + 1.8 | 86 | 31 | 15 | 1 | 57 | 0.41 | - 2.16 | 0.11 | 0 | 5 | 15 | 9 | 7 | nw. | Thos. P. Vaughan. |
| Chesman. | Jefferson. | 6,890 | 10 | 53.8 | + 3.1 | 80 | 31 | 25 | 4 | 39 | 0.34 | - 1.58 | 0.34 | 0 | 1 | 6 | 22 | 3 | sw. | J. G. Thornburg. |
| Cheyenne Wells. | Cheyenne. | 4,279 | 21 | 60.0 | + 2.2 | 94 | 28 | 32 | 15 | 41 | 1.14 | - 1.05 | 0.52 | 0 | 5 | 21 | 5 | 4 | ne. | J. W. Adams. |
| Corona. | Grand. | 11,660 | 6 | 33.2 | | 53 | 31 | 12 | 3 | 25 | 3.09 | | 0.65 | 0 | 13 | | | | sw. | U. S. Weather Bureau. |
| Denver. | Denver. | 5,272 | 41 | 57.5 | + 0.8 | 91 | 29 | 34 | 2 | 38 | 1.68 | - 0.86 | 0.96 | T. | 8 | 15 | 9 | 7 | sw. | Do. |
| Edgewater. | Jefferson. | 5,450 | 5 | 56.1 | | 87 | 29 | 30 | 4 | 42 | 2.33 | | 0.94 | 0 | 8 | 14 | 9 | 8 | w. | N. P. Levin, M. D. |
| Estes Park Fish Hatch. | Larimer. | 8,000 | 4 | | | | | | | | 1.93 | | 1.25 | 2.0 | 5 | 0 | 14 | 17 | w. | G. H. Thomson. |
| Fort Collins. | do. | 4,985 | 34 | 54.8 | + 0.2 | 83 | 29 | 28 | 4 | 40 | 2.09 | - 0.84 | 0.98 | 0 | 11 | 7 | 14 | 10 | nw. | Colorado Agricultural College. |
| Fort Lupton. | Weld. | 4,907 | 3 | | | | | | | | 2.72 | | 1.18 | 0 | 9 | 8 | 10 | 11 | n. | R. W. Benedict. |
| Fort Morgan. | Morgan. | 4,319 | 15 | 60.0 | + 2.6 | 92 | 29 | 31 | 4 | 44 | 2.56 | + 0.44 | 0.96 | 0 | 7 | 18 | 10 | 3 | se. | Great Western Sugar Co. |
| Frances. | Boulder. | 9,300 | 8 | 47.4 | | 71 | 31 | 18 | 3 | 36 | 1.56 | | 0.40 | 4.8 | 9 | 1 | 25 | 5 | w. | C. W. Barry. |
| Frys Ranch. | Larimer. | 7,500 | 3 | 48.6 | | 78 | 26 | 19 | 3 | 43 | 1.50 | | 0.82 | T. | 8 | 15 | 7 | 9 | w. | Norman W. Fry. |
| Georgetown. | Clear Creek. | 8,550 | 11 | | | | | | | | 0.59 | - 0.33 | 0.41 | 1.5 | 4 | 7 | 21 | 3 | e. | H. L. Corbett. |
| Greeley. | Weld. | 4,649 | 22 | 59.0 | + 2.4 | 90 | 29 | 31 | 4 | 42 | 3.16 | + 0.62 | 2.05 | 0 | 6 | 18 | 8 | 5 | e. | Burton Reynolds. |
| Grover (near). | do. | 5,076 | 9 | 54.4 | | 87 | 29 | 28 | 4 | 45 | 2.92 | | 0.75 | 0 | 11 | 6 | 7 | 18 | nw. | D. M. Porter. |
| Hartsel. | Park. | 8,892 | 4 | | | | | | | | 0.62 | | 0.36 | 0 | 3 | 8 | 17 | 6 | nw. | Emily Kleinknecht. |
| Hawthorne. | Boulder. | 6,000 | 4 | | | | | | | | 1.70 | | 0.74 | 0 | 8 | 16 | 10 | 5 | e. | B. E. Chesebro. |
| Holyoke (near). | Phillips. | 3,745 | 17 | 54.6 | - 2.2 | 98 | 26 | 22 | 3 | 61 | 1.33 | - 1.55 | 0.51 | 0 | 7 | 14 | 9 | 8 | se. | A. C. Canble. |
| Idaho Springs. | Clear Creek. | 7,543 | 13 | 51.2 | + 2.7 | 78 | 29 | 29 | 3 | 36 | 0.50 | - 1.72 | 0.36 | 0.5 | 6 | 0 | 25 | 4 | e. | J. J. Willis. |
| Julesburg. | Sedgwick. | 3,465 | | | | | | | | | 2.25 | | 1.45 | 0 | 3 | 10 | 16 | 5 | sw. | Great Western Co. |
| Kersey. | Weld. | 4,571 | | | | | | | | | 1.84 | - 1.22 | 1.15 | 0 | 7 | | | | sw. | Do. |
| Laporte. | Larimer. | 5,053 | 22 | | | | | | | | 2.05 | | 0.95 | 0 | 3 | 17 | 11 | 3 | s. | P. A. Taft. |
| Leroy (near). | Logan. | 4,380 | 24 | | | | | | | | 0.10 | - 2.18 | 0.10 | 1.0 | 1 | 15 | 0 | 13 | w. | Chas. Green. |
| Longmont. | Boulder. | 4,950 | 12 | | | | | | | | 0.65 | - 1.63 | 0.26 | 0 | 7 | 16 | 12 | 3 | s. | Great Western Sugar Co. |
| Longs Peak (near). | Larimer. | 8,600 | 18 | 44.4 | + 3.0 | 72 | 31 | 13 | 3 | 36 | 0.80 | - 1.67 | 0.60 | 0 | 3 | 17 | 11 | 3 | s. | Enos A. Mills. |
| Merino. | Logan. | | | | | | | | | | 2.05 | | 0.95 | 0 | 3 | 17 | 11 | 3 | s. | Great Western Sugar Co. |
| Moraine. | Larimer. | 7,775 | 23 | 46.1 | + 0.8 | 74 | 31 | 20 | 3 | 40 | 0.10 | - 2.18 | 0.10 | 1.0 | 1 | 15 | 0 | 13 | w. | Chas. A. Chapman. |
| Platte Canon. | Jefferson. | 5,492 | 14 | | | | | | | | 0.65 | - 1.63 | 0.26 | 0 | 7 | 16 | 12 | 3 | s. | Denver Union Water Co. |
| St. Cloud. | Larimer. | 7,750 | 10 | | | | | | | | 0.50 | - 2.73 | 0.10 | 0 | 8 | 5 | 15 | 11 | w. | Miss Guilla Sivers. |
| Sedgwick. | Sedgwick. | 3,539 | 5 | 55.9 | | 93 | 29 | 29 | 3 | 53 | 3.70 | | 1.15 | 0 | 6 | 18 | 10 | 3 | sw. | Edwin Lewis, M. D. |
| Spicer (near). | Jackson. | 8,700 | 3 | | | | | | | | | | | | | | | | sw. | Frank W. Murphy. |
| Sterling. | Logan. | 3,892 | 4 | 59.0 | | 91 | 29 | 30 | 4 | 42 | 3.36 | | 2.16 | 0 | 7 | 15 | 7 | 9 | se. | Great Western Sugar Co. |
| Waterdale. | Larimer. | 5,206 | 10 | 57.0 | + 3.6 | 86 | 26 | 32 | 3 | 42 | 2.66 | + 0.08 | 1.48 | 0 | 7 |  |  |  | ..... | P. H. Boothroyd. |
| Wray. | Yuma. | 3,512 | 17 | 61.0 | + 2.7 | 96 | 29 | 32 | 3 | 44 | 1.38 | - 1.27 | 0.68 | 0 | 4 | 11 | 15 | 5 | n. | J. C. Tuomey. |
| Yuma. | do. | 4,138 | 22 | | | | | | | | 1.30 | - 1.01 | 0.83 | 0 | 4 | 17 | 9 | 5 | ne. | Matthew Harr. |
| Nebraska. | | | | | | | | | | | | | | | | | | | | |
| Ainsworth. | Brown. | 2,521 | 8 | 54.9 | | 93 | 28 | 30 | 3 | 41 | 5.65 | | 1.80 | 0 | 12 | 0 | 10 | 21 | n. | John M. Cotton. |
| Albion. | Boone. | 1,747 | 18 | 58.3 | - 1.6 | 100 | 29 | 32 | 23 | 49 | 4.07 | + 0.13 | 1.81 | 0 | 11 | 7 | 7 | 17 | s. | F. M. Weitzel. |
| Alliance. | Boxbutte. | 3,968 | 22 | 53.3 | - 1.6 | 87 | 27 | 26 | 3 | 42 | 1.65 | - 1.07 | 1.10 | T. | 4 | 19 | 6 | 6 | ne. | J. A. Keegan. |
| Alma. | Harlan. | 1,939 | 18 | 63.2 | + 1.8 | 102 | 29 | 35 | 6 | 44 | 2.52 | - 0.74 | 1.86 | 0 | 7 | 18 | 10 | 3 | s. | W. A. Sharpnack. |
| Arcadia. | Valley. | 2,186 | 13 | | | | | | | | 3.02 | - 0.42 | 1.36 | 0 | 8 | 8 | 8 | 15 | se. | J. L. Owen. |
| Arden. | Wheeler. | | 2 | | | | | | | | 5.30 | | 1.27 | 0 | 15 | 16 | 7 | 8 | n. | A. E. Johns. |
| Ashland. | Saunders. | 1,100 | 29 | 62.2 | - 0.3 | 96 | 29 | 38 | 6 | 35 | 8.06 | + 3. | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|---------------------|---------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Nebraska—Continued. | | | | | | | | | | | | | | | | | | | | |
| Burge. | Cherry | 2,674 | 8 | 57.2 | | 94 | 28 | 28 | 3 | 47* | 2.20 | | 0.70 | 0 | 5 | 13 | 10 | 8 | n. | H. A. Davis. |
| Burwell. | Garfield. | 2,180 | 19 | | | | | | | | | | | | | | | | | W. L. McMullen. |
| Butte. | Boyd. | | 7 | 57.6 | | 94 | 27† | 30 | 3 | 46 | 4.24 | + 1.42 | 1.26 | 0 | 13 | 11 | 7 | 13 | e. | W. Whitta. |
| Cairo. | Hall. | 1,951 | 4 | | | | | | | | | | 0.90 | 0 | 13 | 11 | 7 | 13 | e. | Elliott Harrison. |
| Callaway. | Custer. | 2,555 | 20 | 60.4 | + 2.0 | 101 | 28 | 31 | 6 | 46 | 1.03 | | 2.43 | 0 | 7 | | | | | J. H. Evans. |
| Cambridge. | Furnas. | 2,258 | 6 | 62.4 | | 100 | 29 | 34 | 3 | 47 | 3.55 | | 0.33 | 0 | 7 | 10 | 9 | 12 | s. | Chas. Jensen. |
| Columbus. | Platte. | 1,442 | 20 | 59.6 | - 0.8 | 103 | 29 | 36 | 6 | 39 | 6.03 | + 1.91 | 1.55 | 0 | 7 | 19 | 5 | 7 | se. | A. L. Rush. |
| Crete. | Saline. | 1,368 | 30 | 62.2 | + 0.9 | 96 | 29 | 39 | 6† | 32 | 5.00 | + 0.60 | 1.60 | 0 | 12 | 5 | 15 | 11 | se. | Doane College. |
| Culbertson. | Hitchcock. | 2,565 | 26 | 63.6 | | 100 | 29 | 36 | 3 | 50 | 1.42 | - 1.16 | 1.48 | 0 | 10 | 14 | 10 | 7 | s. | Homer L. Nye. |
| Curly. | Sioux. | | 5 | 51.5 | | 86 | 29 | 20 | 3 | 44* | 2.21 | | 0.42 | 0 | 11 | 17 | 4 | 10 | ne. | A. E. Hann. |
| Curtis. | Frontier. | 2,553 | 16 | 62.1 | + 0.1 | 98 | 29 | 33 | 3† | 44 | 1.81 | - 1.09 | 1.39 | 0 | 7 | 7 | 18 | 6 | ne. | Dr. S. R. Razee. |
| Dalton. | Cheyenne | 4,273 | | | | | | | | | | | 0.42 | 0 | 7 | 11 | 10 | 10 | s. | J. C. Frandsen. |
| David City. | Butler. | 1,619 | 23 | 60.6 | + 1.4 | 98 | 29 | 38 | 6 | 34 | 5.60 | + 1.19 | 2.32 | 0 | 12 | 12 | 11 | 8 | se. | S. Clingman. |
| Du Bois. | Pawnee. | 1,074 | 8 | | | | | | | | 5.75 | | 2.60 | 0 | 11 | 17 | 6 | 8 | s. | O. M. Backus. |
| Dumas. | Garfield. | | 5 | 57.1 | | 93 | 29 | 34 | 21 | 44 | 3.75 | | 1.48 | 0 | 11 | 18 | 5 | 8 | n. | Emile Raes. |
| Elm Creek. | Buffalo. | 2,268 | 5 | | | | | | | | 4.73 | | 2.15 | 0 | 7 | | | | | E. L. Sutton. |
| Elsie. | Perkins. | 3,382 | 5 | | | | | | | | 1.45 | | 0.61 | 0 | 12 | | | | | J. F. Brittain. |
| Ericson (near). | Garfield. | 2,029 | 20 | | | | | | | | 4.06 | + 0.81 | 1.44 | 0 | 9 | 8 | 19 | 4 | ne. | J. A. Bodyfield. |
| Ewing. | Holt. | 1,888 | 22 | 58.6 | | 102 | 29 | 36 | 6 | 49 | 4.92 | + 1.78 | 1.80 | 0 | 15 | | | | | G. H. Benson. |
| Exeter. | Fillmore. | 1,607 | 1 | | | | | | | | 5.95 | | 2.13 | 0 | 8 | | | | | Frank Ainsworth. |
| Fairbury. | Jefferson. | 1,316 | 38 | 63.4 | + 1.0 | 99 | 29 | 36 | 6 | 37 | 8.17 | + 3.33 | 2.48 | 0 | 12 | 11 | 14 | 6 | s. | W. F. Cramb. |
| Fairmont. | Fillmore. | 1,641 | 20 | 60.6 | + 0.4 | 97 | 29 | 35 | 6 | 36 | 4.46 | + 0.54 | 1.62 | 0 | 10 | 11 | 11 | 9 | s. | C. B. & Q. R. R. Co. |
| Falls City. | Richardson. | 898 | 18 | 65.2 | + 1.9 | 98 | 29 | 39 | 10 | 38 | 4.12 | - 0.61 | 1.63 | 0 | 9 | 18 | 7 | 6 | se. | Dr. J. C. Yutzy. |
| Fort Robinson. | Dawes. | 3,764 | 30 | 53.6 | - 1.4 | 90 | 27 | 29 | 3 | 41 | 3.50 | + 0.81 | 0.90 | 0 | 10 | 17 | 3 | 11 | n. | Post surgeon. |
| Franklin. | Franklin. | 1,820 | 24 | 63.6 | + 2.0 | 102 | 29 | 33 | 6 | 46 | 2.53 | + 0.91 | 0.76 | 0 | 8 | 4 | 18 | 9 | ne. | A. R. Peck. |
| Fremont. | Dodge. | 1,208 | 33 | 61.8 | + 1.5 | 101 | 29 | 38 | 6 | 39 | 4.88 | + 0.67 | 1.30 | 0 | 9 | 6 | 15 | 10 | se. | Ernest Hahn. |
| Fullerton. | Nance. | 1,629 | 12 | 60.84 | | 103 | 29 | 35 | 23 | 43† | 4.93 | + 0.73 | 2.22 | 0 | 7 | | | | | Dr. F. W. Johnson. |
| Geneva. | Fillmore. | 1,633 | 23 | 63.0 | + 1.1 | 95 | 29 | 36 | 6 | 36 | 7.14 | + 2.36 | 1.90 | 0 | 10 | 13 | 11 | 7 | se. | F. M. Flory. |
| Genoa. | Nance. | 1,584 | 38 | 60.4 | + 0.2 | 101 | 29 | 36 | 6 | 38 | 3.45 | - 0.74 | 1.40 | 0 | 10 | 11 | 12 | 8 | se. | F. W. Parsons. |
| Gordon. | Sheridan. | 3,550 | 10 | 56.04 | | 92 | 27 | 25 | 3 | 51* | 1.77 | - 1.31 | 0.80 | 0 | 4 | | | | | G. F. Williams. |
| Gosper. | Gosper. | | 11 | | | | | | | | 2.82 | - 0.25 | 1.38 | 0 | 9 | 16 | 8 | 7 | n. | E. H. Stoll. |
| Gothenburg. | Dawson. | 2,557 | 18 | 61.0 | + 0.8 | 101 | 29 | 33 | 3 | 46 | 2.07 | - 0.89 | 1.00 | 0 | 7 | 14 | 5 | 12 | se. | Dr. W. J. Bartholomew. |
| Grand Island. | Hall. | 1,860 | 23 | 62.4 | + 1.3 | 98 | 29 | 39 | 3† | 47 | 3.23 | - 1.16 | 0.75 | 0 | 10 | 7 | 6 | 18 | s. | E. A. Barnes. |
| Grant. | Perkins. | 3,405 | 10 | 59.4 | | 102 | 29 | 28 | 3 | 50 | 1.47 | + 1.08 | 0.50 | 0 | 5 | 17 | 4 | 10 | se. | Anson K. Holmes. |
| Greeley. | Greeley. | 2,021 | 17 | 57.0 | | 99 | 29 | 36 | 4† | 44 | 3.63 | + 0.65 | 1.41 | 0 | 11 | 10 | 14 | 7 | se. | W. E. Morgan. |
| Guide Rock. | Webster. | 1,646 | 13 | | | | | | | | 4.30 | + 0.29 | 1.80 | 0 | 8 | 9 | 8 | 14 | se. | J. S. Marsh. |
| Haigler. | Dundy. | 3,258 | | | | | | | | | | | | | | | | | | J. L. Pember. |
| Halsey. | Thomas. | 2,695 | 11 | 59.9 | + 1.9 | 94 | 28 | 30 | 3 | 48 | 3.18 | - 0.64 | 1.09 | 0 | 13 | 16 | 7 | 8 | ne. | U. S. Forest Service. |
| Hartington. | Cedar. | 1,309 | 22 | 57.4 | - 0.9 | 95 | 29 | 36 | 6 | 40 | 9.05 | + 4.69 | 2.20 | 0 | 13 | 8 | 3 | 20 | nw. | D. E. Ewing. |
| Harvard. | Clay. | 1,812 | | | | | | | | | | | | | | | | | | Bert Gregg. |
| Hastings. | Adams. | 1,932 | 24 | 61.0 | + 0.5 | 98 | 29 | 37 | 6 | 38 | 2.92 | - 0.78 | 0.67 | 0 | 12 | 22 | 5 | 4 | ne. | C. B. & Q. R. R. Co. |
| Hayes Center. | Hayes. | | | | | | | | | | | | | | | | | | | Jos. M. Crosby. |
| Hay Springs. | Sheridan. | 3,821 | 26 | 54.7 | + 0.6 | 90 | 27 | 26 | 3 | 44 | 2.62 | - 0.62 | 1.50 | T. | 5 | 6 | 17 | 8 | nw. | A. Kadlecik. |
| Hebron. | Thayer. | 1,458 | 27 | 62.4 | + 0.6 | 94 | 29 | 36 | 6 | 33 | 6.45 | + 1.97 | 1.67 | 0 | 9 | | | | | Dr. C. M. Easton. |
| Hemingford. | Boxbutte. | 4,256 | 4 | | | | | | | | 2.54 | | 0.96 | 0 | 14 | | | | | A. S. Enyeart. |
| Hendley. | Furnas. | 2,231 | 9 | | | | | | | | 2.76 | | 1.20 | 0 | 4 | | | | | T. L. Jones. |
| Hershey. | Lincoln. | 2,902 | 2 | | | | | | | | 2.36 | | 0.60 | 0 | 13 | 10 | 3 | 18 | | G. F. Palmer. |
| Hillside. | McPherson. | 3,484 | 4 | 57.4 | | 94 | 29 | 24 | 3 | 49 | 1.71 | | 0.84 | 0.2 | 11 | 16 | 7 | 8 | ne. | Mrs. M. R. Lloyd. |
| Holdredge. | Phelps. | 2,324 | 22 | 61.8 | + 0.9 | 92 | 29 | 33 | 4 | 40 | 1.31 | - 2.94 | 0.72 | 0 | 5 | 7 | 8 | 16 | s. | C. B. & Q. R. R. Co. |
| Hooper. | Dodge. | 1,228 | 16 | 63.6 | + 2.3 | 100 | 29 | 40 | 6† | 35 | 5.55 | + 0.03 | 1.20 | T. | 6 | 13 | 4 | 14 | w. | Dr. W. H. Heine. |
| Hull (near). | Banner. | | 2 | | | | | | | | 1.95 | | 1.15 | 0 | 9 | 9 | 7 | 15 | se. | Mrs. W. P. Miller. |
| Imperial. | Chase. | 3,278 | 23 | 58.9 | + 0.3 | 90 | 29 | 31 | 3 | 42 | 1.69 | - 1.17 | 0.84 | 0 | 9 | 6 | 14 | 11 | ne. | Robt. Malcolm. |
| Kearney. | Buffalo. | 2,146 | 25 | 62.9 | + 1.5 | 98 | 29 | 37 | 6† | 47 | 1.95 | - 2.03 | 0.56 | 0 | 8 | 13 | 13 | 5 | se. | City Engineer. |
| Kimball. | Kimball. | 4,697 | 25 | 56.2 | + 1.3 | 90 | 29 | 30 | 4 | 45 | 1.26 | - 1.24 | 0.39 | 0 | 6 | 13 | 11 | 7 | w. | F. J. Bellows. |
| Kirkwood. | Rock. | | 18 | 56.6 | - 1.7 | 95 | 27† | 30 | 3 | 44 | 3.13 | - 0.27 | 1.05 | 0 | 8 | 13 | 7 | 11 | s. | Mrs. C. Arter. |
| Kowanda. | Garden. | | 5 | | | | | | | | 1.98 | | 0.99 | 0 | 8 | | | | | Geo. W. Hulse. |
| Lexington. | Dawson. | 2,385 | 24 | 61.2 | + 2.0 | 98 | 29 | 34 | 3 | 46 | 2.17 | - 0.66 | 1.25 | 0 | 10 | 18 | 0 | 13 | ne. | Robt. Chadwick. |
| Lincoln. | Lancaster. | 1,189 | 35 | 63.0 | + 0.1 | 98 | 29 | 40 | 6 | 32 | 6.02 | + 1.77 | 2.20 | 0 | 12 | 5 | 13 | 13 | se. | U. S. Weather Bureau. |
| Lodgepole. | Cheyenne. | 3,820 | 17 | 58.5 | + 2.3 | 95 | 28 | 30 | 3 | 48 | 1.24 | + 1.21 | 0.68 | 0 | 5 | 11 | 13 | 7 | se. | R. T. Kidney. |
| Loup City. | Sherman. | 2,067 | | | | | | | | | | | | | | | | | | Harriet Hayhurst. |
| McCook. | Red Willow. | 2,506 | | | | | | | | | | | | | | | | | | C. G. Cogtizer. |
| McCool Junction. | York. | 1,575 | 16 | | | | | | | | 4.77 | + 0.21 | 1.00 | 0 | 13 | | | | | L. L. Slagel. |
| Madison. | Madison. | 1,585 | 20 | 58.4d | - 0.8 | 99 | 29 | 35 | 6† | 37d | 4.05 | - 0.15 | 1.75 | 0 | 8 | | | | | Dr. F. A. Long. |
| Marquette. | Hamilton. | 1,585 | 34 | | | | | | | | 3.31 | - 0.61 | 1.07 | 0 | 11 | | | | | John Ellis. |
| Mary. | Brown. | 1,830 | 2 | | | | | | | | 3.18 | - 0.94 | 0.94 | 0 | 9 | 18 | 5 | 8 | se. | G. C. Stuft. |
| Mason City. | Custer. | 2,257 | 10 | | | | | | | | 1.75 | - 1.78 | 0.80 | 0 | 6 | | | | | J. A. Amsberry. |
| Minatare. | Scotts Bluff. | 3,825 | 4 | | | | | | | | 1.58 | - 1 | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|----------------------|---------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|---------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Nebraska—Continued. | | | | | | | | | | | | | | | | | | | | |
| Springview | Keyapaha | 22 | 57.0 | - 0.5 | 94 | 28 | 32 | 3 | 40 | 2.70 | - 0.31 | 0.95 | 0 | 8 | 12 | 9 | 10 | nw. | C. L. Phelps. | |
| Stanton | Stanton | 1,472 | 23 | 58.4 | - 1.2 | 98 | 29 | 32 | 24 | 42 | 2.79 | - 1.01 | 1.06 | 0 | 5 | 7 | 18 | 6 | se. | Alfred Pont. |
| Stratton | Hitchcock | 2,804 | 18 | | | | | | | | 1.37 | - 1.03 | 0.70 | 0 | 6 | | | | | Miss Stella Vennum. |
| Superior | Nuckolls | 1,574 | 28 | | | | | | | | 4.35 | + 0.70 | 1.75 | 0 | 5 | | | | | F. V. Bishop. |
| Syracuse | Otoe | 1,059 | 21 | 63.2 | + 1.4 | 98 | 29 | 35 | 6 | 38 | 6.85 | + 2.49 | 3.22 | 0 | 8 | 16 | 9 | 6 | se. | W. N. Hunter. |
| Table Rock | Pawnee | 1,023 | 26 | | | | | | | | 6.87 | + 2.62 | 3.00 | 0 | 9 | 20 | 6 | 5 | s. | E. D. Howe. |
| Tecumseh | Johnson | 1,113 | 35 | | | | | | | | 6.70 | + 2.01 | 2.02 | 0 | 9 | 11 | 13 | 7 | n. | L. E. Pratt. |
| Tekamah | Burt | 1,060 | 23 | 60.8 | - 0.1 | 98 | 29 | 38 | 6 | 36 | 8.08 | + 3.73 | 1.58 | 0 | 13 | 9 | 1 | 21 | n. | Dr. A. D. Nesbit. |
| University Farm. | Lancaster | | | | | | | | | | | | | | | | | | | S. W. Perin. |
| Valentine | Cherry | 2,613 | 25 | 56.0 | - 1.9 | 94 | 28 | 30 | 3 | 39 | 3.13 | - 0.20 | 0.97 | 0 | 16 | 12 | 8 | 11 | ne. | U. S. Weather Bureau. |
| Wahoo | Saunders | 1,187 | 10 | | | | | | | | 6.85 | + 2.41 | 1.79 | 0 | 11 | 13 | 3 | 15 | sw. | W. T. Mauck. |
| Wakefield | Dixon | 1,387 | 19 | 58.8 | - 0.3 | 97 | 29 | 33 | 6 | 40 | 5.20 | + 1.18 | 1.75 | 0 | 12 | 8 | 9 | 14 | s. | I. H. Weaver. |
| Walthill | Thurston | 12 | 59.6 | | | 94 | 29 | 34 | 6 | 37 | 5.19 | + 0.81 | 1.72 | 0 | 10 | 12 | 7 | 12 | n. | G. A. Dudley. |
| Watertown | Buffalo | 2,299 | 8 | | | | | | | | 2.87 | | 1.52 | 0 | 7 | 16 | 9 | 6 | s. | R. E. Swift. |
| Wauneta | Chase | 2,935 | 15 | | | | | | | | 1.25 | - 1.22 | 0.40 | 0 | 8 | | | | | C. D. Fuller. |
| Weeping Water | Cass | 1,080 | 35 | 63.6 | | 97 | 29 | 34 | 6 | 40 | 5.13 | + 0.92 | 1.83 | 0 | 13 | 13 | 6 | 12 | s. | S. W. Orton. |
| Westpoint | Cuming | 1,313 | 28 | 60.8 | - 0.2 | 102 | 29 | 38 | 6 | 41 | 5.23 | + 1.45 | 1.78 | 0 | 8 | 9 | 13 | 9 | n. | J. C. Elliott. |
| Wisner | do | 1,380 | 17 | | | | | | | | 4.39 | + 0.01 | 1.23 | 0 | 10 | 21 | 3 | 7 | sw. | F. C. Evans. |
| York | York | 1,633 | 26 | 62.2 | + 0.7 | 101 | 29 | 35 | 6 | 38 | 3.30 | - 0.89 | 1.11 | 0 | 9 | 17 | 7 | 7 | sw. | A. T. Glauque. |
| Iowa. | | | | | | | | | | | | | | | | | | | | |
| Afton | Union | 1,212 | 19 | 61.1 | - 1.2 | 88 | 29 | 41 | 6 | 27 | 6.51 | + 1.62 | 1.55 | 0 | 12 | 11 | 11 | 9 | sw. | N. W. Rowell. |
| Allerton | Wayne | | 11 | 62.2 | + 1.2 | 91 | 29 | 38 | 11 | 35 | 4.30 | - 0.21 | 0.88 | 0 | 13 | 13 | 10 | 8 | s. | Maude Chase. |
| Alton | Sionx | 1,305 | 8 | 57.2 | | 95 | 29 | 33 | 6 | 39 | 4.79 | | 1.17 | 0 | 14 | 10 | 10 | 11 | ne. | W. S. Slagle. |
| Atlantic | Cass | 1,164 | 22 | 61.6 | + 2.2 | 99 | 29 | 37 | 6 | 35 | 6.82 | + 2.44 | 2.10 | 0 | 16 | 6 | 6 | 19 | ne. | Thos. H. Whitney. |
| Audubon | Audubon | 1,301 | 19 | 58.8 | - 1.1 | 94 | 29 | 38 | 6 | 34 | 6.37 | + 2.13 | 1.55 | 0 | 12 | 9 | 5 | 17 | sw. | Geo. E. Kellogg. |
| Bedford | Taylor | | 13 | 61.8 | + 0.8 | 93 | 29 | 35 | 6 | 40 | 4.66 | - 0.59 | 1.82 | 0 | 14 | 11 | 6 | 14 | s. | E. E. Healy. |
| Centerville | Appanoose | 1,013 | 3 | 62.6 | | 91 | 2 | 37 | 11 | 35 | 4.37 | | 1.50 | 0 | 16 | 17 | 8 | 6 | w. | Gordon Peacock, Jr. |
| Chariton | Lucas | 1,042 | 18 | 60.4 | - 0.9 | 90 | 29 | 36 | 11 | 38 | 4.15 | - 0.22 | 1.10 | 0 | 9 | 10 | 13 | 8 | sw. | C. C. Burr. |
| Clarinda | Page | 1,009 | 23 | 60.8 | - 0.4 | 97 | 29 | 36 | 6 | 39 | 5.77 | + 0.93 | 1.38 | 0 | 15 | | | | sw. | A. S. Van Sandt. |
| Corning | Adams | 1,117 | 21 | 60.1 | - 0.3 | 93 | 29 | 34 | 6 | 39 | 9.24 | + 4.41 | 2.27 | 0 | 13 | | | | se. | Jerome Smith. |
| Corydon | Wayne | 1,101 | 20 | 62.6 | + 1.3 | 92 | 29 | 37 | 6 | 36 | 4.55 | - 0.12 | 0.93 | 0 | 16 | 10 | 9 | 12 | se. | May C. Miller. |
| Council Bluffs | Pottawattamie | 990 | 3 | 61.6 | | 97 | 29 | 34 | 6 | 37 | 5.37 | | 1.74 | 0 | 11 | 4 | 10 | 17 | se. | B. W. Crossley. |
| Creston | Union | 1,312 | 8 | 59.4 | | 92 | 29 | 38 | 6 | 37 | 6.76 | | 1.42 | 0 | 13 | 12 | 4 | 15 | se. | O. J. Colby. |
| Cumberland | Cass | | 14 | | | | | | | | 7.61 | + 3.92 | 1.25 | 0 | 12 | 16 | 5 | 10 | se. | J. H. Reppert. |
| Denison | Crawford | 1,180 | 19 | 59.2 | - 0.1 | 93 | 29 | 34 | 6 | 34 | 6.73 | + 2.62 | 2.41 | 0 | 11 | 8 | 12 | 11 | s. | W. C. Van Ness. |
| Elliott | Montgomery | | 8 | 61.4 | | 94 | 29 | 35 | 6 | 33 | 6.12 | | 2.44 | 0 | 10 | 7 | 16 | 8 | se. | C. H. Westrope. |
| Greenfield | Adair | | 21 | 61.4 | + 1.0 | 97 | 29 | 39 | 23 | 39 | 6.30 | + 1.28 | 1.90 | 0 | 12 | 10 | 15 | 6 | ne. | Frank A. Ward. |
| Harian | Shelby | 1,182 | 14 | 59.2 | - 1.1 | 95 | 29 | 34 | 6 | 36 | 7.63 | + 3.48 | 1.78 | 0 | 12 | 6 | 12 | 13 | sw. | C. A. Reynolds. |
| Inwood | Lyon | 1,474 | 9 | 57.5 | | 92 | 29 | 31 | 6 | 41 | 6.00 | | 1.39 | 0 | 14 | 11 | 8 | 12 | nw. | F. B. Hanson. |
| Lake Park | Dickinson | 1,479 | | 56.1 | | 92 | 29 | 30 | 2 | 35 | 5.89 | | 2.00 | 0 | 7 | 14 | 6 | 11 | s. | A. E. Woodruff. |
| Lamoni | Decatur | 1,120 | 6 | 62.4 | | 91 | 31 | 40 | 7 | 33 | 3.14 | | 0.60 | 0 | 14 | 19 | 0 | 12 | se. | T. J. Fitzpatrick. |
| Le Mars | Plymouth | 1,224 | 17 | 58.2 | - 1.1 | 92 | 29 | 35 | 6 | 32 | 6.50 | + 1.71 | 2.40 | 0 | 14 | 13 | 6 | 8 | s. | G. A. C. Clarke. |
| Lenox | Taylor | 1,250 | 18 | 61.6 | + 0.4 | 90 | 29 | 38 | 23 | 32 | 5.73 | + 1.01 | 1.70 | 0 | 11 | 15 | 8 | 8 | s. | J. L. Hurley. |
| Leon | Decatur | 1,120 | 11 | 62.7 | - 0.2 | 92 | 29 | 39 | 11 | 36 | 6.08 | + 1.63 | 1.10 | 0 | 14 | 5 | 12 | 14 | s. | Morris Gardner. |
| Little Sioux | Harrison | | 8 | 60.8 | | 98 | 29 | 34 | 6 | 36 | 6.60 | | 1.56 | 0 | 11 | 11 | 8 | 12 | sw. | Geo. H. Gibson. |
| Logan | do | 928 | 46 | 60.8 | - 0.2 | 98 | 29 | 35 | 10 | 37 | 9.34 | + 5.21 | 2.61 | 0 | 10 | 8 | 12 | 11 | sw. | Glenn H. Stern. |
| Mount Ayr | Ringgold | 1,236 | 20 | 62.0 | + 0.0 | 91 | 29 | 39 | 10 | 35 | 4.23 | - 1.53 | 1.33 | 0 | 15 | 13 | 7 | 11 | s. | Alex. Maxwell. |
| Murray | Clarke | 1,216 | 22 | 61.8 | + 1.6 | 93 | 29 | 39 | 7 | 34 | 6.05 | + 1.36 | 1.73 | 0 | 16 | 8 | 9 | 14 | s. | M. T. Ashley. |
| Northboro | Page | 1,046 | 1 | 62.8 | | 93 | 29 | 37 | 10 | 34 | 6.81 | | 2.66 | 0 | 10 | 14 | 7 | 10 | sw. | J. M. Darby. |
| Odebolt | Sac | 1,356 | 16 | 60.1 | - 0.3 | 97 | 29 | 37 | 10 | 37 | 6.51 | + 2.53 | 1.65 | 0 | 12 | 12 | 7 | 12 | sw. | E. Starnes. |
| Onawa | Monona | 1,051 | 13 | 62.2 | - 0.4 | 102 | 29 | 39 | 6 | 37 | 5.87 | + 0.29 | 1.90 | 0 | 12 | 9 | 11 | 11 | nw. | C. G. Perkins. |
| Pacific Junction | Mills | 960 | 14 | 62.3 | + 0.7 | 98 | 29 | 34 | 6 | 40 | 4.68 | + 0.67 | 1.95 | 0 | 9 | 11 | 16 | 4 | e. | H. H. McCartney. |
| Rock Rapids | Lyon | 1,358 | 14 | 54.6 | - 2.0 | 92 | 29 | 32 | 6 | 40 | 4.57 | + 1.18 | 1.25 | 0 | 11 | 9 | 12 | 10 | s. | W. C. Wyckoff. |
| Sheldon | O'Brien | 1,422 | 15 | | | | | | | | 5.00 | - 0.10 | 1.20 | 0 | 14 | 9 | 10 | 12 | nw. | Geo. Apperley. |
| Sibley | Osceola | 1,212 | 20 | 55.1 | - 2.2 | 93 | 29 | 31 | 6 | 39 | 6.35 | + 2.39 | 1.20 | 0 | 16 | 11 | 7 | 13 | nw. | H. G. Doolittle. |
| Sioux Center | Sioux | | 14 | 56.6 | - 1.7 | 92 | 29 | 36 | 10 | 31 | 4.82 | - 0.03 | 1.20 | 0 | 10 | 12 | 8 | 11 | e. | J. de Ruyter. |
| Sioux City | Woodbury | 1,135 | 24 | 58.8 | - 2.0 | 97 | 29 | 38 | 6 | 35 | 4.71 | + 0.34 | 1.52 | 0 | 14 | 7 | 10 | 14 | s. | U. S. Weather Bureau. |
| Spencer | Clay | | 3 | | | | | | | | | | | | | | | | | S. Gillespie. |
| Thurman | Fremont | | 16 | 63.2 | + 0.9 | 94 | 29 | 35 | 6 | 36 | 6.44 | + 1.24 | 3.42 | 0 | 6 | 9 | 14 | 8 | sw. | C. R. Paul. |
| Washta | Cherokee | 1,157 | 15 | 57.9 | + 2.1 | 95 | 29 | 30 | 6 | 39 | 8.31 | + 3.46 | 2.90 | 0 | 10 | 12 | 5 | 14 | n. | H. L. Felter. |
| Kansas. | | | | | | | | | | | | | | | | | | | | |
| Abilene | Dickinson | 1,157 | 18 | | | | | | | | 2.10 | - 2.12 | 0.80 | 0 | 7 | 14 | 5 | 12 | se. | T. W. Sherman. |
| Agricultural College | Riley | 1,100 | 55 | 66.2 | + 1.4 | 100 | 29 | 38 | 6 | 41 | 7.18 | + 2.68 | 2.87 | 0 | 10 | 19 | 5 | 7 | s. | Prof. J. O. Hamilton. |
| Alton | Osborne | 1,651 | 11 | 66.0 | | 103 | 29 | 35 | 6 | 44 | 0.75 | - 2.48 | 0.25 | 0 | 5 | 15 | 10 | 6 | s. | H. A. Storer. |
| Atchison | Atchison | 973 | 22 | 66.4 | + 2.6 | 97 | 29 | 41 | 10 | 36 | 6.02 | + 0.72 | 1.64 | 0 | 12 | 24 | 2 | 5 | se. | Prof. E. M. Stahl. |
| Beloit | Mitchell | 1,383 | 18 | 65.6 | | 99 | 29 | 38 | 6 | 36 | 4.72 | + 1.26 | 1.83 | 0 | 8 | 8 | 17 | 6 | se. | F. A. Slack. |
| Blakeman | Rawlins | 2,894 | 16 | 62.1 | + 2.3 | 100 | 29 | 34 | 15 | 51 | 0.90 | - 1.48 | 0.32 | 0 | 8 | 14 | 10 | 7 | se. | C. L. Henderson. |
| Blue Rapids | Marshall | 1,105 | 7 | | | | | | | | 4.26 | | 1.04 | 0 | 11 | 21 | 4 | 6 | se. | M. Norton. |
| Centralia | Nemaha | 1,256 | 4 | 64.2 | | 96 | 29 | 38 | 6 | 37 | 4.05</ | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 6—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | | |
|-------------------|--------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-----------------|-----------------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|--------------------------|-----------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of overcast days. | |
| Kansas—Continued. | | | | | | | | | | | | | | | | | | | | | |
| Lebanon | Smith | 1,812 | 15 | 64.0 | + 2.8 | 101 | 30 | 41 | 6 | 45 | 3.07 | + 0.20 | 1.48 | 0 | 7 | 17 | 3 | 11 | s. | E. V. Bower. | |
| Lenora | Norton | 2,300 | | | | | | | | | 1.97 | | 1.09 | 0 | 8 | | | | | J. S. Goodrich. | |
| Leoti | Wichita | 3,300 | 10 | 63.8 | | 99 | 29 | 36 | 15 | 42 | 0.99 | | 0.30 | 0 | 5 | 18 | 12 | 1 | se. | L. E. Gorsuch. | |
| Lincoln | Lincoln | 1,374 | 1 | 67.6 | | 107 | 29 | 37 | 23 | 41 | 1.54 | | 0.85 | 0 | 6 | 18 | 4 | 9 | se. | R. W. Greene. | |
| Lindsborg | McPherson | 1,333 | 7 | | | | | | | | 2.39 | | 0.73 | 0 | 7 | 16 | 4 | 11 | s. | A. J. Frederickson. | |
| McCracken | Rush | 2,139 | 1 | 66.9 | | 102 | 29 | 38 | 6 | 41 | 2.53 | | 0.77 | 0 | 8 | 15 | 13 | 3 | ne. | E. D. Floyd. | |
| Minneapolis | Ottawa | 1,259 | 23 | 66.8 | + 3.5 | 103 | 29 | 39 | 6 | 38 | 2.24 | - 1.76 | 0.70 | 0 | 8 | 20 | 4 | 7 | s. | J. L. Steele. | |
| Moran | Allen | 1,098 | 17 | 67.8 | + 2.2 | 90 | 31 | 42 | 23 | 35 | 3.61 | - 1.40 | 1.46 | 0 | 6 | 17 | 7 | 7 | se. | C. J. Norton. | |
| Natoma | Osborne | 1,834 | 4 | | | | | | | | | | | | | | | | | C. O. Hunt. | |
| Norton | Norton | 2,284 | 15 | 63.3 | + 3.3 | 102 | 29 | 37 | 4 | 39 | 1.15 | - 1.89 | 0.27 | 0 | 9 | 11 | 18 | 2 | se. | Sim Siefel. | |
| Oberlin | Decatur | 2,539 | 26 | 64.5 | | 101 | 29 | 35 | 3 | 47 | 2.76 | - 0.21 | 1.66 | 0 | 7 | 14 | 12 | 5 | ne. | I. K. Huber. | |
| Oketo | Marshall | 1,194 | 5 | 64.4 | | 99 | 29 | 40 | 11 | 34 | 3.74 | | 1.84 | 0 | 8 | 7 | 18 | 6 | nw. | J. A. Church. | |
| Olathe | Johnson | 1,032 | 18 | 65.8 | + 1.2 | 99 | 31 | 39 | 23 | 38 | 3.86 | - 1.66 | 1.54 | 0 | 12 | 9 | 17 | 5 | s. | Dr. S. B. S. Wilson. | |
| Oskaloosa | Jefferson | 991 | | | | | | | | | 4.78 | | 1.62 | 0 | 9 | | | | | Ralph Snyder. | |
| Ottawa | Franklin | 926 | 19 | 66.4 | + 1.8 | 98 | 29 | 42 | 7 | 37 | 6.35 | + 0.80 | 3.05 | 0 | 8 | 15 | 10 | 6 | s. | W. J. Sheldon. | |
| Phillipsburg | Phillips | 1,939 | 22 | 65.0 | + 2.8 | 103 | 29 | 40 | 6 | 40 | 2.04 | - 0.61 | 0.84 | 0 | 9 | 13 | 14 | 4 | ne. | N. E. Bailey. | |
| Plainville | Rooks | 2,156 | 7 | | | | | | | | 0.44 | | 0.15 | 0 | 5 | 19 | 10 | 2 | ne. | P. D. Spellman. | |
| Pleasanton | Linn | 862 | 11 | 67.8 | + 2.5 | 98 | 31 | 42 | 7 | 35 | 4.22 | - 0.97 | 2.05 | 0 | 5 | 19 | 8 | 4 | sw. | B. F. Blaker. | |
| Quenemo | Osage | 941 | 1 | | | | | | | | 4.90 | | 2.11 | 0 | 7 | 20 | 7 | 4 | sw. | R. L. Graham. | |
| Republic | Republic | 1,495 | 10 | 63.8 | | 99 | 29 | 37 | 6 | 45 | 4.98 | | 1.80 | 0 | 8 | | | | | J. W. Ambrose. | |
| Russell | Russell | 1,834 | 14 | 67.6 | + 4.2 | 104 | 29 | 39 | 6 | 40 | 1.78 | - 1.33 | 0.72 | 0 | 6 | 18 | 6 | 7 | s. | Robert Brebner. | |
| Russell Springs | Logan | | 3 | | | | | | | | | | | | | | | | | Murray Wallace. | |
| St. Francis | Cheyenne | 3,288 | 5 | 62.8 | | 101 | 29 | 32 ^b | 15 | 50 | 0.66 | | 0.28 | 0 | 6 | 8 | 17 | 6 | ne. | J. E. Uplinger. | |
| Salina | Saline | 1,227 | 29 | 67.8 | + 3.1 | 105 | 30 | 39 | 23 | 42 | 1.83 | - 2.41 | 0.85 | 0 | 7 | 15 | 14 | 2 | s. | Prof. A. W. Jones. | |
| Scott | Scott | 2,971 | 7 | 66.4 | | 102 | 29 | 37 | 15 | 44 | 0.98 | | 0.80 | 0 | 3 | 21 | 10 | 0 | s. | J. B. Loughran. | |
| Smith | Smith | 1,800 | 3 | 64.8 | | 105 | 29 | 38 | 6 | 43 | 1.88 | | 0.59 | 0 | 8 | 11 | 16 | 4 | se. | W. H. Nelson. | |
| Topeka | Shawnee | 997 | 27 | 65.8 | + 0.8 | 99 | 29 | 44 | 6 | 33 | 4.46 | | 0.42 | 1.44 | 0 | 11 | 13 | 13 | 5 | s. | U. S. Weather Bureau. |
| Tribune | Greene | 3,612 | 14 | 64.6 | | 97 | 29 | 36 | 15 | 38 | 1.69 | + 0.05 | 1.35 | 0 | 5 | 12 | 14 | 5 | se. | Charles E. Cassel. | |
| Valley Falls | Jefferson | 913 | 14 | 64.8 | + 0.8 | 98 | 30 | 40 | 6 | 38 | 4.05 | - 0.58 | 1.15 | 0 | 10 | 14 | 11 | 6 | ne. | Miss Nettie Maxwell. | |
| Vinland | Douglas | 880 | 4 | | | | | | | | 2.88 | | 0.76 | 0 | 9 | | | | | A. Schick. | |
| Wakeeney | Trego | 2,456 | 30 | 66.2 | + 3.8 | 103 | 29 | 39 | 6 | 48 | 1.53 | | 1.30 | 0.48 | 0 | 8 | 21 | 7 | 3 | s. | A. S. Peacock. |
| Wallace | Wallace | 3,303 | 43 | 64.6 | + 4.8 | 100 | 29 | 35 | 15 | 49 | 1.33 | - 1.19 | 0.60 | 0 | 7 | 10 | 21 | 0 | s. | J. L. Page. | |
| Wamego | Pottawatomie | 1,002 | 20 | 66.7 | | 97 | 29 [†] | 41 | 6 | 31 | 6.70 | + 1.50 | 1.86 | 0 | 11 | 13 | 11 | 7 | ne. | M. L. Stone. | |
| Missouri. | | | | | | | | | | | | | | | | | | | | | |
| Amoret | Bates | 850 | 5 | 67.5 | | 99 | 31 | 42 | 7 | 36 | 5.34 | | 2.05 | 0 | 8 | 19 | 6 | 6 | sw. | Darby Fruit Farm. | |
| Appleton City | Saint Clair | 853 | | | | | | | | | | | | | | | | | | Robert Brown. | |
| Arlington | Phelps | 695 | 24 | | | | | | | | 0.94 | - 3.66 | 0.35 | 0 | 6 | 18 | 1 | 12 | sw. | G. V. Randolph. | |
| Arthur | Vernon | 767 | 21 | 68.2 | + 3.5 | 98 | 30 [†] | 40 | 7 | 43 | 2.38 | - 3.73 | 1.15 | 0 | 4 | 21 | 8 | 2 | sw. | J. T. Armstrong. | |
| Avalon | Livingston | 26 | 26 | 64.2 | + 0.1 | 94 | 30 [†] | 36 | 10 | 35 | 4.99 | - 0.34 | 1.86 | 0 | 9 | 20 | 3 | 8 | sw. | F. G. Ashbaugh. | |
| Bagnell | Miller | 594 | 18 | | | | | | | | 1.25 | - 3.51 | 0.75 | 0 | 3 | 16 | 2 | 13 | e. | C. O. Brockman. | |
| Bethany | Harrison | 881 | 22 | 62.8 | + 0.4 | 91 | 29 | 40 | 10 | 34 | 3.40 | - 1.73 | 1.12 | 0 | 7 | 16 | 7 | 8 | se. | W. H. Skinner. | |
| Bolivar | Polk | 1,070 | 26 | 69.1 | + 3.7 | 100 | 31 | 40 | 7 | 42 | 2.50 | - 2.91 | 1.15 | 0 | 6 | 18 | 13 | 0 | ne. | A. C. Fink. | |
| Boonville | Cooper | 600 | 38 | | | | | | | | 2.86 | - 3.09 | 0.70 | 0 | 9 | 15 | 0 | 16 | sw. | C. Randecker. | |
| Brunswick | Chariton | 652 | 33 | 63.6 | - 0.1 | 93 | 31 | 38 | 11 | 38 | 3.43 | - 1.54 | 0.86 | 0 | 11 | 10 | 5 | 16 | s. | Louis Bencke. | |
| Clinton | Henry | 800 | 27 | 67.2 | | 99 | 31 | 41 | 11 | 40 | 3.00 | - 2.66 | 1.20 | 0 | 5 | 15 | 13 | 3 | se. | A. E. Derwent, M. D. | |
| Columbia | Boone | 784 | 24 | 65.7 | + 1.2 | 96 | 31 | 39 | 10 | 33 | 1.43 | - 3.43 | 0.48 | 0 | 13 | 7 | 11 | 13 | s. | U. S. Weather Bureau. | |
| Conception | Nodaway | 982 | 30 | 62.6 | + 1.5 | 92 | 29 | 36 | 10 | 31 | 4.05 | - 0.76 | 1.37 | 0 | 12 | 11 | 13 | 7 | nw. | Fr. Adelm Hess. | |
| Crocker | Pulaski | 1,300 | 2 | 67.1 | | 98 | 31 | 38 | 19 | 46 | 1.25 | | 0.44 | 0 | 5 | 17 | 7 | 7 | s. | Ira H. Stephens. | |
| Eldon | Miller | 2 | 2 | 66.7 | | 97 | 31 | 39 | 7 | 37 | 2.00 | | 0.60 | 0 | 9 | 9 | 20 | 2 | s. | Charles A. Kellogg. | |
| Fayette | Howard | 725 | 31 | 64.8 | + 0.6 | 93 | 31 | 38 | 10 | 30 | 2.81 | - 2.14 | 0.76 | 0 | 10 | 19 | 2 | 10 | ne. | Prof. T. B. Smith. | |
| Fulton | Callaway | 818 | 23 | 66.6 | + 1.9 | 98 | 31 | 37 | 7 | 42 | 0.91 | - 3.80 | 0.37 | 0 | 5 | 15 | 4 | 7 | sw. | Russell Johnston. | |
| Glasgow | Howard | 618 | 35 | | | | | | | | 4.04 | - 0.58 | 1.24 | 0 | 7 | 17 | 1 | 13 | s. | J. J. Shaughnessy. | |
| Grant City | Worth | 1,130 | 21 | 62.0 | | 94 | 30 | 37 | 9 | 35 | 4.67 | - 0.31 | 1.55 | 0 | 11 | 19 | 2 | 10 | nw. | W. H. Campbell. | |
| Harrisonville | Cass | 912 | 42 | 65.6 | + 1.8 | 97 | 31 | 42 | 11 | 34 | 5.56 | + 0.81 | 2.62 | 0 | 13 | 13 | 1 | 17 | sw. | A. J. Sharp. | |
| Hazelhurst | Livingston | | 21 | | | | | | | | 6.50 | + 1.52 | 1.68 | 0 | 9 | | | | | W. H. Baker. | |
| Hermann | Gasconade | 482 | 39 | | | | | | | | 1.12 | - 3.27 | 0.34 | 0 | 9 | 8 | 6 | 17 | sw. | C. T. Maushund. | |
| Houston | Texas | 1,280 | 21 | 65.6 | + 0.9 | 97 | 31 | 35 | 24 | 46 | 1.26 | - 3.19 | 0.43 | 0 | 4 | 5 | 26 | 0 | s. | E. Dempsey. | |
| Jefferson City | Cole | 628 | 32 | 65.0 | - 0.1 | 99 | 31 | 38 | 11 | 43 | 2.11 | - 2.18 | 0.60 | 0 | 8 | 17 | 0 | 14 | s. | Miss Emma Swift. | |
| Kansas City | Jackson | 963 | 25 | 66.0 | + 1.5 | 96 | 29 | 40 | 10 | 29 | 4.45 | - 0.66 | 1.90 | 0 | 11 | 9 | 16 | 6 | s. | U. S. Weather Bureau. | |
| Kidder | Caldwell | 1,017 | 22 | 63.6 | + 0.6 | 90 | 30 [†] | 39 | 10 | 30 | 5.18 | - 0.70 | 1.26 | 0 | 13 | 15 | 9 | 7 | sw. | J. P. Sharp. | |
| Lamonte | Pettis | 863 | 24 | 66.0 | | 96 | 29 [†] | 38 | 7 | 41 | 2.56 | - 2.89 | 1.00 | 0 | 9 | 3 | 19 | 9 | sw. | J. Ed. Hall. | |
| Lebanon | Laclede | 1,265 | 26 | 67.1 | + 1.3 | 92 | 31 | 40 | 7 | 38 | 3.98 | - 2.10 | 1.75 | 0 | 6 | 14 | 12 | 5 | s. | N. W. Serl. | |
| Lexington | Lafayette | 813 | 32 | 66.3 | + 2.3 | 95 | 31 | 42 | 7 | 37 | 3.64 | - 1.41 | 1.27 | 0 | 10 | 14 | 0 | 17 | s. | J. W. Keithley. | |
| Liberty | Clay | 864 | 25 | 65.6 | + 1.6 | 95 | 30 | 39 | 10 | 34 | 5.51 | + 0.05 | 2.36 | 0 | 9 | 12 ^a | 12 ^a | 6 ^a | sw. | W. C. Wilmoth. | |
| Lockwood | Dade | 1,088 | 18 | 66.4 | | 94 | 31 | | 6 | 34 | 2.54 | - 2.18 | 0.80 | 0 | 6 | 21 ^d | 5 ^d | 14 | sw. | C. S. Crow. | |
| Marshall | Saline | 779 | 23 | 65.2 | + 1.0 | 96 | 31 | 39 | 10 | 45 | 3.29 | - 1.71 | 0.59 | 0 | 8 | 16 | 7 | 7 | sw. | Prof. W. H. Black. | |
| Maryville | Nodaway | 1,160 | 24 | 62.6 | + 0.4 | 95 | 30 | 36 | 11 | 38 | 6.10 | + 0.80 | 1.50 | 0 | 14 | 12 | 4 | 15 | s. | J. R. Brink. | |
| Mount Vernon | Lawrence | 1,480 | 34 | 67.4 | + 1.4 | 96 | 31 | 39 | 23 | 36 | 1.31 | - 4.41 | 1.31 | 0 | 1 | 27 | 0 | 4 | sw. | J. R. White & Son. | |
| Nevada | Vernon | 860 | 20 | | | | | | | </ | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 6, Missouri Valley.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|-------------------|--------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|---------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Wyoming. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arapahoe Basin | Bighorn | .40 | | | | | | | | .04 | | | | | | | | | .05 | .10 | .10 | | | | .02 | | | | | | | | 0.71 | |
| Big Creek station | do. | 1.63 | .19 | | | | | | | | | | | | | | | | .04 | | | | | | | | | | | | | | 1.86 | |
| Boyd | North Platte | | | | | | | | T. | .22 | | | | .02 | .03 | | | .03 | .27 | T. | | .09 | | | | .03 | | .02 | | .20 | .51 | | 0.05 | |
| Burns | Cheyenne | .07 | .10 | | | .06 | | | | | | | | .20 | .17 | | | .02 | | | | | | | | | | | | | | | 1.06 | |
| Casper | South Platte | T. | .32 | | | | | .02 | | .44 | T. | T. | .09 | 1.00 | .22 | T. | T. | .05 | | | | | .21 | T. | | | .20 | | | | | | 2.55 | |
| Centennial | North Platte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cheyenne | do. | .01 | .01 | T. | | | | .01 | .31 | .25 | .01 | .01 | T. | .09 | .46 | | | .04 | .02 | .01 | .01 | .02 | | | | T. | T. | .09 | .01 | | | 1.10 | | |
| Chugwater | South Platte | .01 | .14 | T. | | | | | | | | | | .71 | .11 | | | .02 | .01 | | | | | | .39 | T. | T. | | | | | 2.22 | | |
| Clark | North Platte | T. | T. | | | | | T. | .07 | .04 | T. | | T. | .02 | .02 | T. | .26 | T. | .44 | .18 | T. | | | | T. | T. | | .08 | T. | .54 | | T. | 2.05 | |
| Cody | Yellowstone | .10 | | | .41 | .04 | | | | | | | | | | | | .14 | .18 | .22 | .13 | | | | | | | | | | | 1.05 | | |
| Dome Lake | Bighorn | .05 | .10 | | .12 | .05 | | | | | T. | | | .05 | .05 | | | .06 | | | | | | | | | | .10 | T. | .33 | | | 1.57 | |
| Douglas | Tongue | .05 | .10 | | | .11 | .05 | | | | | | .10 | .05 | .05 | | | | | | | | | | | | | | | .10 | | | 1.36 | |
| Dubois | North Platte | .04 | | | | | | T. | | | | | T. | T. | | | T. | .45 | .05 | .20 | .03 | | | | | .16 | | | | .09 | | | 0.30 | |
| Eatons Ranch | Bighorn | .15 | .17 | | | | | | | | | | T. | T. | | | | | | | | | | | | | | | | .05 | .10 | | 0.30 | |
| Echeta | Tongue | .20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | .11 | | | 0.36 | |
| Elk Mountain | Powder | | T. | | T. | | | | | | | | | | | .50 | | .15 | .26 | .43 | | | | | | | | | | .62 | | | T. 1.95 | |
| Encampment | North Platte | | | | | | | | | | | | | .08 | | | .04 | .03 | | | .06 | .09 | | | .06 | | | .05 | | | | | 0.47 | |
| Erray | do. | | T. | | | | | | | | | | | T. | | | | | | T. | T. | | | | | | | | | | | | T. | |
| Fort Laramie | Powder | .36 | | | T. | | | | | .18 | .12 | | | .03 | .07 | | | | .04 | | | | | | | | | | T. | T. | | | 0.80 | |
| Foxpark | North Platte | .03 | .05 | .25 | | | | | | | | | | .03 | .26 | .58 | | | .10 | | .16 | T. | | | | .10 | | | | | | | 1.53 | |
| Germania | do. | | | | | | | | | | | | * | * | .35 | | | | | | | | | | | | | | | | | | 0.35 | |
| Gillette | Bighorn | .06 | .04 | | .01 | | | T. | | | | .06 | | | | | | | .01 | .18 | .01 | .04 | T. | | | T. | | .05 | | .08 | | | 0.58 | |
| Horse Creek | Powder | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hunters Station | Bighorn | .21 | .31 | | .34 | .19 | | | | | | | | .20 | | | | .28 | .27 | .22 | .06 | | | | | | | | | .33 | .17 | | 2.58 | |
| Hyattville | Bighorn | | .05 | | | | | | | | | | | | | | | .05 | | | | | | | | | | | | | | | 0.10 | |
| Jireh | Niobrara | .02 | T. | | | | | | .02 | | | | | T. | .49 | .01 | | | | .04 | | .09 | | | | | .05 | | | .33 | | .41 | 1.46 | |
| Kinnear | Bighorn | 3.10 | .11 | T. | | | | T. | | | | | | | | | .20 | .22 | .22 | | T. | | | | | | | | | .08 | | | 3.71 | |
| Kirtley | Niobrara | | | | | | T. | .02 | .04 | .08 | | | | .01 | .70 | | | .03 | .03 | .09 | .08 | .03 | | | | | | | | .65 | .03 | | 1.76 | |
| Kirwin | Bighorn | | | .05 | .80 | .10 | | .05 | .05 | | | | .20 | | | | .10 | .05 | .80 | .30 | .05 | | | | | .02 | | .02 | T. | .50 | | .50 | 3.79 | |
| Knowles | Cheyenne | .19 | | | .18 | | .07 | | .08 | | | | | .22 | .08 | | .49 | .32 | .21 | .06 | | | | | | | | | | 2.60 | .10 | | 4.60 | |
| Lagrange | North Platte | .03 | .02 | | | | | | | .30 | | | | 1.73 | | | | | | | .05 | | .02 | | T. | | | | | | | | 2.99 | |
| Lander | Bighorn | .51 | .16 | | | | | | | T. | .01 | | | | | | | | .01 | .13 | .02 | | | | .02 | | T. | .01 | | .14 | .02 | .17 | .84 | |
| Laramie | North Platte | T. | .02 | | | | | | | | | | | .03 | .03 | | | | .02 | | | .05 | | .01 | | .02 | | | | | | | 1.20 | |
| Leo | do. | | | | | | | | | | | | | | | | | | | .02 | | | | | | | | | | | | | 0.19 | |
| Lolabams Ranch | Yellowstone | .10 | | | | .05 | | | | | | | | | | | .10 | .25 | .30 | | | | | | | | | | | | .05 | | .05 | 0.90 |
| Lovell | Bighorn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lusk | Niobrara | | | | | | | | | | | | .56 | | | | | | | .15 | | | | | | | | | | .87 | .05 | | 1.63 | |
| Manville | do. | .06 | | | | | | | | | | | | | .35 | | | | .06 | | | .06 | | | | | | | | .58 | | .69 | 1.80 | |
| Moorcroft | Cheyenne | .01 | | .05 | | | .08 | | T. | | | | T. | .13 | .20 | | .02 | .45 | .03 | .07 | | | | | | .02 | | | T. | T. | | 1.00 | 2.06 | |
| Moore | North Platte | .05 | .16 | | | | | | T. | .01 | | | | .20 | .17 | | T. | .03 | .05 | .10 | .03 | | | .10 | | .01 | | | T. | T. | | | T. | |
| Newcastle | Cheyenne | T. | T. | T. | | | | T. | | | | .10 | | .34 | .11 | | | T. | .16 | | | .06 | .06 | | | | | | | .26 | .41 | T. | 1.38 | |
| Pathfinder | North Platte | T. | T. | T. | | | | | | | | | | .37 | | | | | | | | | | | | | | | | .22 | .02 | | 0.83 | |
| Pinebluff | South Platte | T. | T. | .26 | | | | | T. | .20 | .10 | | | T. | .70 | | .55 | | | .03 | .10 | T. | .10 | | | | | | | | | | 2.14 | |
| Pine Ridge | Cheyenne | | .12 | | | | | | | | | | | | | .25 | | .47 | .03 | | | | | | | | | | | | | | 1.88 | |
| Powell | Bighorn | | | | .07 | .04 | | | | | | | | | | | .03 | .13 | .10 | .03 | .04 | | | | | | | | | .16 | | | 1.01 | |
| Rawlins | North Platte | | T. | | | | | | .02 | .04 | | | | T. | .14 | | T. | T. | .02 | .02 | .06 | .09 | | | | | | | | | | | .01 | 1.02 |
| Rock River | do. | | | T. | | | | | | | | | | T. | T. | | T. | T. | T. | T. | .01 | | | | | | | | | | | | T. | 1.00 |
| Rocky Point | Powder | T. | .04 | | .13 | | | | | | | | | .07 | .09 | | .32 | .02 | .40 | .28 | | | | | | | | | | | .43 | | 1.19 | |
| Saratoga | North Platte | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.50 |
| Seven-mile Creek | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.48 |
| Sheridan | Tongue | .30 | .12 | | .26 | | | | | T. | T. | | .03 | .07 | | .16 | .20 | .05 | .03 | .04 | .11 | | | | | .02 | | | | .08 | T. | .10 | 1.52 | |
| Shoshone Dam | Bighorn | T. | T. | T. | .05 | T. | | T. | .05 | .03 | T. | | T. | .01 | | .21 | .10 | .06 | .24 | .15 | .02 | | | | | .03 | | | | | | | 1.43 | |
| Soldiers Home | Powder | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| South Pass City | North Platte | T. | .06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sundance | Cheyenne | T. | .05 | | | | .25 | | .30 | | | | | | | T. | T. | | .13 | .22 | .05 | | | | | .02 | | .04 | T. | .11 | .03 | .03 | .12 | 1.11 |
| Thermopolis | Bighorn | .42 | .27 | .02 | | | | | | | | | | | | | | .50 | | | | | | | | | | | | | | | | 1.11 |
| Thornton | Cheyenne | T. | | | | | | | .02 | | | | | .11 | .41 | | | | | | | | | | | | | | | | .18 | .03 | .12 | 1.34 |
| Ulm | Tongue | .05 | .05 | | .12 | T. | | | | | | | | .05 | .24 | | .42 | .29 | T. | .25 | | | | | | .01 | | | | | | | | 1.21 |
| Verona | do. | .22 | | | .28 | | | | | | | | | | | | | | | .14 | .08 | | | | | | | | | | | | | 1.35 |
| Wheatland | North Platte | | .16 | T. | | | | | T. | T. | | | | .95 | .15 | .30 | .42 | | T. | T. | .10 | .13 | | | | | | | | | | | | 1.02 |
| Wians Ranch | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Woodrock | Tongue | .45 | .10 | | .50 | | | | | | | | | | .17 | .33 | | | | | | | | | | | | | | | | | | 0.64 |
| Worland | Bighorn | .20 | .22 | | | .05 | | | | .13 | .34 | | | | | | | | | | | | | | | | | | | | | | | 1.33 |
| Wynote | North Platte | T. | T. | .11 | | | | | | | | | .19 | T. | 1.10 | | | | .05 | .11 | .05 | | | | | | | | | | | | T. | 1.10 |
| Yellowstone Park | Yellowstone | | | | | | | | | .31 | T. | | | | | | .10 | .12 | .64 | .19 | .21 | | | | | | | | | | | | | 1.33 |
| Fairview Dome | do. | T. | | | .09 | | | .02 | .09 | | T. | | | .41 | 1.22 | | | .21 | .41 | .32 | .61 | T. | | | | | | | | | | | | 2.81 |
| Fountain | Madison | | | | | | | | .20 | .12 | T. | | | | | | | | | | | | | | | | | | | | | | | 1.92 |
| Gallatin | Gallatin | | | | | | | | | | | | | | | .50 | .20 | | | | | | | | | | | | | | | | | 1.80 |
| Grand Canyon | Yellowstone | T. | .10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.20 |
| Lake Yellowstone | do. | .25 | | | .21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.65 |
| Norris | Madison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—*Daily precipitation for May, 1913. District No. 6—Continued.*

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|------------------------|---------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|-----|------|------|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Montana—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clydepark. | Yellowstone | | T. | | .19 | .03 | | T. | .18 | | .03 | | .30 | | .27 | .37 | T. | .22 | .52 | | | | | | .14 | .02 | | | T. | T. | T. | | 2.27 |
| Conrad. | Marias | | | | | | | | .17 | .20 | T. | .27 | | .06 | .07 | | .03 | T. | .08 | .22 | .12 | | | | | | | | T. | T. | T. | | 1.22 |
| Copper. | Missouri | | T. | .05 | .10 | .05 | | | .02 | T. | .37 | | | .51 | T. | .15 | | .01 | .40 | | | | | | | | | | | | | | 1.94 |
| Crow Agency. | Bighorn | | | | .23 | | | | | | | | | | | | .30 | | | .70 | | | | | | | | | | | | | 1.26 |
| Culbertson. | Missouri | | T. | T. | | | | | .05 | .05 | | .61 | | .19 | .10 | .20 | .30 | | | .75 | T. | | | T. | | | | | | .10 | | 2.35 | |
| Cut Bank. | Marias | | | | | | | | | | | | | .10 | | | .40 | | .15 | .35 | | | | | | | | | | .50 | | 1.50 | |
| Denton. | Missouri | | T. | .06 | .20 | | | | .08 | | .13 | .12 | T. | .70 | | .10 | .30 | .15 | .16 | | | | | | .03 | | | | .17 | T. | .34 | | 2.54 |
| Dillon. | Jefferson | | | .15 | | | | .17 | .09 | | .12 | | | .20 | .09 | | | .35 | .52 | | | .62 | .09 | | | | .27 | .08 | | | .03 | | 2.78 |
| Dry Camp. | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dunkirk. | Marias | | | .06 | | | | | .11 | .01 | .03 | | .22 | .33 | .14 | | .21 | | .14 | | | | | | | | | | .27 | | | 1.8 | |
| Ekakaka. | Lt. Missouri. | .09 | .02 | .02 | | | | | .62 | | | | .09 | .04 | | | .02 | .02 | .03 | .42 | .11 | | | | | | | | | | | 1.48 | |
| Fallon. | Yellowstone | | | | | | .05 | .08 | .12 | | .15 | | | T. | | | .08 | | | .75 | .16 | | | | | | | | | T. | | 1.72 | |
| Findon. | Missouri | | .02 | T. | .02 | | | | .09 | .02 | .34 | .10 | | .49 | .01 | .05 | | .05 | .55 | .15 | .02 | | | T. | | | | | .01 | .02 | 1.01 | 3.02 | |
| Flathead Creek. | Yellowstone | | | | .20 | .02 | | .25 | .28 | | .24 | | | .34 | | .19 | T. | .06 | .74 | .02 | | | | | .07 | | | | .36 | | | 2.71 | |
| Forsyth. | do. | | | | .23 | | | | .83 | | | .06 | | .11 | | | | .21 | .15 | .50 | | | | | T. | | | | | | .58 | 2.67 | |
| Fort Benton. | Missouri | | | | | | | | | | | | | | | | T. | .06 | .24 | .02 | .02 | | | | | | | | | | | | |
| Fort Shaw. | do. | | | | .17 | T. | | | .10 | .04 | .24 | T. | .09 | | | | T. | .03 | T. | .41 | .18 | T. | .03 | | T. | | | | .12 | .01 | | | 1.06 |
| Foster. | Bighorn | | .08 | | .03 | | | | .51 | | | T. | T. | T. | | | T. | | | | | | | | | | | | | | | 1.46 | |
| Garnett. | Missouri | T. | T. | .08 | | | | .10 | T. | | .20 | | | 1.10 | | | T. | T. | T. | .25 | | | | | .10 | | | | .50 | .20 | | | 2.73 |
| Geyer. | do. | | .01 | .13 | | | | | .06 | T. | .22 | | T. | .88 | | | T. | .04 | .14 | .33 | .38 | | | | | | | | | .12 | .07 | .66 | 3.04 |
| Glasgow. | Milk | | .28 | | | | | T. | | | .30 | .09 | | .66 | | | T. | .24 | | | | | | | | | | | | .20 | | | 2.07 |
| Glendive. | Yellowstone | | .05 | | | | | T. | T. | .10 | | | | T. | | | | | | T. | 1.08 | | | | | | | | | .05 | | | 1.34 |
| Goldbutte. | Marias | | | .10 | T. | | | | .10 | .05 | | .20 | | .30 | .11 | .10 | .03 | | .06 | | | | | | | | | | .05 | | | 1.10 | |
| Graham. | Powder | .10 | .10 | T. | .17 | | | | | | | | | .37 | T. | .08 | .15 | | .39 | .34 | | | .01 | | .03 | | | | | | .01 | | 1.77 |
| Great Falls. | Missouri. | | | T. | .11 | .61 | | | .14 | .05 | .07 | | T. | .20 | T. | | .02 | .06 | .23 | .08 | .01 | | | .02 | | | | T. | .09 | .08 | | | 1.91 |
| Harlowton. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Havre. | Milk | | T. | .02 | T. | | | | .42 | T. | | .23 | T. | .87 | .02 | .01 | T. | | | .09 | | T. | | | | | | | | .12 | .02 | | 1.80 |
| Hebgen Dam. | Madison. | | | T. | T. | | | | .04 | | | | .27 | .22 | T. | .14 | | .33 | .86 | | .02 | | | .18 | .29 | T. | T. | T. | | | | T. | 2.35 |
| Helena. | Missouri. | | T. | .06 | .32 | T. | | | T. | .03 | .10 | | T. | .39 | | .01 | | .23 | .43 | .04 | T. | | | .01 | | | | | .18 | .20 | | | 2.00 |
| Highwood. | do. | | T. | .43 | .24 | T. | | | | | .05 | | | .60 | | | | .30 | .14 | .24 | .07 | | | | | | | | .06 | .25 | | | 2.38 |
| Huntley. | Yellowstone | | .08 | | .12 | | | | .17 | | | | | .26 | | .08 | .12 | | .31 | .10 | .10 | | | | | | | | | | | | 1.39 |
| Jordan. | Missouri. | | | | | | .05 | | | | .20 | | | .60 | | | | | .50 | | | .20 | | .02 | | | | | | | | .05 | 1.57 |
| Knobles Ranch. | Milk | | | .12 | | | | | .03 | | T. | .03 | | .25 | .39 | .38 | T. | | .03 | .25 | | | | | | | | | | | | | 1.48 |
| Lewistown \|\|. | Missouri. | .15 | | | .19 | | | | T. | | .23 | | | .02 | .87 | | T. | .12 | .27 | .03 | T. | | | | .0.9 | | | | | .02 | .27 | | 2.26 |
| Lonetree. | do. | | | .70 | | | | | .10 | .15 | | | | .64 | | | T. | .11 | .34 | .36 | | | | | | | | | | | | | 2.40 |
| Lothair. | Marias | | | T. | | | | | .30 | .10 | .10 | | 1.00 | | | T. | .10 | T. | .05 | .10 | .05 | | | | | | | | | | .10 | 1.90 | |
| Lytle. | Missouri. | | | .07 | T. | | | | .22 | .06 | .19 | | | .38 | | | T. | .04 | .12 | .04 | | | | | T. | | | | | .03 | .14 | | 1.32 |
| Malta. | Milk | | | | | | | | .63 | | .02 | | | .65 | .20 | | | .45 | | .46 | | | | | | | | | | .16 | | .40 | 2.97 |
| Medicine Lake. | Missouri. | | | .15 | | | | .12 | .12 | .28 | .05 | | | .40 | T. | T. | | .07 | | .48 | | | | | | | | | | .04 | .02 | | 1.42 |
| Melstone. | do. | | | | | | | | .45 | | | | | | | | | | .30 | .40 | T. | | | | | | | | | | | .10 | 1.76 |
| Mildred. | Yellowstone | .09 | .02 | | | | .13 | .37 | .04 | | .08 | T. | .05 | | | | .07 | T. | .77 | | | | | | .15 | .56 | | | | | | | 2.20 |
| Miles City. | do. | .16 | T. | .12 | | | | .51 | .02 | | .44 | | | | | | .03 | | .09 | .70 | | | | .30 | .10 | T. | | | | .02 | | | 2.52 |
| Norris. | Madison. | | | | | .06 | | .06 | .06 | .04 | .03 | .02 | .40 | .01 | .06 | .22 | | .46 | .34 | .18 | | | | | | | | | | | | | 1.94 |
| Olsen Creek. | Jefferson. | | .01 | | | | .10 | .11 | | | .04 | .02 | .05 | | | | | | | .03 | | | | | | | | | .02 | .40 | .09 | | 0.96 |
| Pinegrove. | Missouri. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pipestone Pass. | Jefferson. | .07 | .04 | T. | T. | | .02 | | .09 | .05 | .22 | | .07 | .33 | T. | | .11 | .82 | .38 | .01 | | | | | T. | | | | .42 | | | | 2.24 |
| Plevna. | Yellowstone | | .06 | | .04 | | | T. | .17 | .11 | | .09 | .04 | T. | | .19 | | .18 | .38 | .01 | | | | | T. | | | | .25 | T. | | | 1.56 |
| Poplar. | Missouri. | | T. | T. | T. | | | | T. | | .27 | | | .45 | T. | .70 | T. | | .45 | T. | | | | | | | | | | | | .04 | 1.87 |
| Red Lodge. | Yellowstone | .10 | | | .17 | .06 | | | .08 | .03 | | .26 | | .08 | .65 | | | .22 | .05 | .05 | | .03 | | | T. | .15 | | | | | | T. | 1.11 |
| Renova. | Jefferson. | | | | .04 | T. | | .18 | T. | | .26 | | .08 | .65 | | | | .20 | .58 | | | | | T. | .06 | T. | | | | | | | 2.14 |
| Ryegate. | Missouri. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Savage. | Yellowstone | | T. | | T. | | | | T. | | | .36 | | .19 | T. | T. | .06 | .06 | | .51 | .31 | | | | | | | | .16 | | | | 1.78 |
| Shelby. | Marias | | | T. | | | | .20 | T. | | .30 | | | .30 | | | .35 | | | .12 | | | | | | | | | | T. | .20 | | 1.47 |
| Sidney. | Yellowstone | | | | | | | | T. | T. | | | | | | | | | | | | | | | | | | | | | | | |
| Springbrook. | Missouri. | | .10 | .01 | .01 | .01 | | T. | T. | T. | | .33 | T. | .42 | | T. | | | .82 | | .10 | | | | | | | | | T. | | | 1.80 |
| Sunlit Farm. | Milk. | | .04 | T. | | | | | .04 | T. | | .29 | | .55 | .03 | | .36 | | | .20 | | | | | | | | | | | | | 1.73 |
| Sun River Canyon. | Missouri. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Three Forks. | Madison. | | | | .10 | .10 | | | .10 | | .21 | | | .33 | | .15 | | | .41 | .33 | .10 | | | | .05 | .03 | | | | .02 | | | 1.93 |
| Utica. | Missouri. | | | | .19 | | | | .07 | .05 | .51 | .01 | | .53 | | T. | | .06 | .51 | .21 | .03 | | | | | | | | | | .51 | | 2.78 |
| Valentine. | do. | | | .03 | | | | | .26 | | .71 | | | | 1.21 | | T. | | .39 | | | | | | | | | | | | | | 2.60 |
| Valier. | Marias | | | .09 | | | | | .14 | | .14 | | | .14 | | .13 | .15 | .31 | .15 | T. | | | | | | | | | | T. | .27 | | 1.52 |
| Wall Rock Mount'n. | Missouri. | .02 | T. | .24 | .03 | | | T. | .22 | | .03 | .16 | .05 | .42 | T. | | T. | .30 | .10 | | | | | | | | | | | T. | | | 1.57 |
| Wheaton. | do. | | .03 | .10 | | | | | .13 | T. | .44 | | | .89 | | | .04 | .76 | .19 | .05 | | | | | | | | | | | | .18 | 2.87 |
| Whites Ranch. | Yellowstone. | | .06 | | T. | | | .09 | .11 | .04 | | .08 | | .09 | T. | | .20 | .02 | .82 | .03 | | | | | | | | | .42 | .31 | | | 2.27 |
| White Sulphur Springs. | Missouri | | | T. | .19 | .10 | | | T. | | T. | .31 | | .30 | | .06 | | .07 | .05 | .03 | | | | | | | | | .18 | .05 | .03 | .05 | 1.39 |
| Wildor. | do. | | T. | .10 | .12 | | | | .04 | T. | .41 | | .90 | T. | | .02 | T. | T. | .60 | .50 | | | | | | | | | | | .05 | | 2.12 |
| Wolf Creek. | do. | | | T. | .41 | | | | .21 | T. | .31 | .04 | .08 | .45 | .06 | .02 | | .03 | .60 | T. | .01 | | | | T. | | | | | .04 | .12 | | 2.40 |
| North Dakota. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aplin. | Knife | .05 | | | .05 | T. | | T. | | T. | T. | | | | .58 | | .27 | .05 | | .88 | .15 | .02 | | | | T. | .05 | | | .02 | | | 2.00 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 6—Continued

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|-------------------|---------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|----|-----|------|-----|--------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
| N. Dakota—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Steele | Missouri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.05 | 1.19 | |
| Turtle Lake | do. | | | | | | | | | | | | | | .43 | .03 | T. | .15 | | .34 | .22 | T. | | | | | | | | | | .41 | 1.58 | | |
| Washburn | do. | T. | | T. | | | | | | | | | | | .75 | | .14 | T. | | .67 | .11 | T. | | | | | .10 | | | | | | 1.77 | | |
| Williston | do. | | | T. | | T. | | | | T. | .02 | | T. | .08 | | .02 | | .06 | | | .29 | .02 | | | | | .07 | .17 | | .01 | | .03 | | .04 | 0.85 |
| South Dakota. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen \|\| | James | .10 | .15 | .10 | | | | .10 | .10 | | .05 | | | .10 | .50 | .40 | .05 | .30 | | .40 | 1.15 | T. | T. | | | | .45 | .10 | | | | | 4.05 | | |
| Academy | Missouri | .11 | .27 | | | | T. | .02 | .48 | | | | | .32 | .11 | | T. | | .26 | .31 | .48 | | | | | | .03 | .02 | | | .14 | .02 | 2.57 | | |
| Alexandria | James | | .18 | | | | | | .58 | | | | | .33 | .35 | .12 | | | | .27 | .32 | | | | | .43 | .32 | | | | | .33 | 5.67 | | |
| Armour | Missouri | | | | | | | | .30 | | | | .51 | .30 | | | | | .60 | .20 | | | | | | .20 | | | | .50 | | | 2.60 | | |
| Bellefourche | Cheyenne | | | | .10 | | .06 | | .12 | | | | | .25 | .06 | | .30 | * | | .32 | .05 | | .32 | | | | | | | | | | 2.13 | | |
| Blunt | Missouri | | .09 | | | | .09 | | T. | | | | | .04 | .58 | .03 | T. | | .65 | 1.50 | .34 | | | | .09 | .51 | | | | | .50 | | 4.42 | | |
| Britton | James | .10 | .20 | | | | .07 | | T. | | | .26 | | | .40 | | .25 | | | .42 | .64 | | | .02 | | .01 | | | | | | .75 | | 3.12 | |
| Brookings | Big Sioux | .12 | .41 | .02 | | | .04 | .14 | | | | | | .16 | .09 | .28 | | | .11 | 1.03 | .47 | | | | | .06 | .43 | .16 | | | T. | T. | 3.50 | | |
| Bryant | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camp Crook | Little Mis'r. | T. | .07 | | T. | | | .77 | | | | | | .10 | .63 | | .09 | T. | .22 | .49 | .02 | | | | | | .11 | | | T. | .13 | | 2.63 | | |
| Canton | Big Sioux | | .45 | .28 | | | | .56 | | | | | | 1.42 | .21 | .23 | | | | .52 | .81 | | | | | | | | | | .83 | .31 | 5.62 | | |
| Cascade Springs | Cheyenne | | | | | .19 | .03 | | .42 | .03 | | | | 1.07 | | | | | .04 | | | | | | | | | | | | | | 2.52 | | |
| Castlewood | Big Sioux | .02 | .41 | .10 | T. | | | .13 | .05 | T. | T. | | | T. | .40 | .27 | .09 | T. | T. | .83 | .56 | T. | T. | T. | T. | .20 | .27 | .01 | T. | | .01 | .19 | 3.54 | | |
| Centerville | Missouri | | .64 | .14 | | | | T. | .39 | T. | | | | 1.29 | .31 | .26 | | | T. | .92 | .93 | | | | | .16 | .30 | .04 | | | | | 5.57 | | |
| Clark | James | .08 | .44 | | | | | .14 | | T. | | | | | .65 | .23 | .07 | | T. | 1.12 | .64 | | | | | .18 | .23 | | | | | | .62 | 4.40 | |
| Cottonwood | Missouri | | | | | | T. | .37 | | | T. | | | .24 | 1.06 | | | | .35 | .07 | | | | | | | | | | .09 | | .68 | .09 | 2.95 | |
| Custer | Cheyenne | | | | .10 | .10 | | .02 | | | | .05 | | .41 | .60 | | | .04 | .22 | | | | .10 | | | | .06 | | | .18 | | .97 | .08 | 2.93 | |
| Daviston | Owl | | | | | | | .18 | | | | | | .25 | | .22 | | | .18 | 1.00 | | | | | | | .90 | | | | | | | 2.73 | |
| Deadwood | Cheyenne | .10 | | | | | .20 | | | | | | | .50 | 1.00 | | .20 | | .45 | | | | | | | | | | | | .65 | | 3.10 | | |
| Deerfield | do. | T. | .04 | | T. | | .04 | | .14 | .03 | | T. | | .50 | .06 | | .03 | T. | .30 | .50 | | | | | | | | | | | .15 | .55 | .01 | 2.35 | |
| De Smet | James | | .32 | .07 | | | | T. | .03 | | | | | | .73 | .31 | T. | | .41 | 1.02 | .46 | | | | | .47 | .25 | | | | | .12 | | 4.19 | |
| Dowling | Cheyenne | | | | | | | .05 | T. | | | | | .50 | .55 | .20 | .10 | | .85 | .21 | T. | | | | | | | | | | | | | 2.10 | |
| Dumont | do. | .08 | .17 | | .05 | | .15 | | | | | | | .17 | .10 | .04 | | | .60 | .14 | | | .07 | | | | | | | | .06 | .73 | | 2.36 | |
| Eagle Butte | Grand | | | | | | T. | | .27 | | | | | .14 | .45 | T. | .24 | .01 | .54 | .88 | .05 | | | | | .26 | | | | | T. | .02 | 2.86 | | |
| Eales | Missouri | | .02 | | | | T. | .01 | | T. | T. | | | .05 | .41 | .04 | .24 | | .19 | .54 | T. | T. | | | | .06 | .32 | | | T. | | .11 | | 1.99 | |
| Elk Mountain | Cheyenne | .10 | .05 | | | | | | | | .10 | | | .18 | .20 | | | | | | | | | | | | | | | | | | | 1.89 | |
| Ellingson | Grand | T. | T. | | T. | | | .11 | .01 | | | | | .16 | .13 | | .08 | T. | .18 | .42 | .02 | | | | | .10 | .81 | | | | 1.26 | | T. | 2.02 | |
| Englewood | Cheyenne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eureka | Missouri | | .01 | | | | | T. | | | | | | .15 | .45 | .01 | .04 | .07 | | .41 | | | | | | .50 | .14 | | | | | .19 | 1.97 | | |
| Fairfax | do. | T. | .01 | | | | | .34 | | | | | | .90 | .30 | .20 | | | .10 | | .45 | | | | | .40 | .05 | | | | | | | 2.65 | |
| Faith | Cheyenne | | T. | | | | .02 | | .01 | | .01 | | | .32 | .31 | | .40 | | .47 | .55 | .01 | T. | | | | .40 | .03 | T. | | | .25 | T. | 2.38 | | |
| Faulkton | James | T. | .21 | | | | T. | .13 | | | | | | .02 | .95 | T. | .18 | | .14 | 2.24 | .27 | | | | | .22 | .37 | | | | | .39 | 5.14 | | |
| Flandreau | Big Sioux | .05 | .30 | | | | .05 | .43 | | | | | | .33 | .10 | .40 | | | .20 | 1.80 | | | | | | .20 | .53 | .08 | | | | | | 4.47 | |
| Forestburg | James | .17 | .06 | | | | .10 | .15 | | | T. | .23 | | .10 | | .75 | | | .15 | 1.17 | .15 | .75 | | | | .50 | | | | | .17 | .65 | 5.10 | | |
| Fort Meade | Cheyenne | | | | | | | | | | | | | .40 | .35 | | | | .35 | .70 | .20 | | | | | | | | | | 1.00 | | 3.10 | | |
| Frederick | James | T. | .17 | | | | | | | | | | | .37 | .90 | | .44 | | | .34 | .44 | | | | | | | | | | | .95 | 3.61 | | |
| Greenmont | Cheyenne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Greenwood | Missouri | | .35 | | | | T. | .17 | | | | | | .90 | .08 | .06 | | | T. | .79 | .30 | | | | | .34 | .02 | | | | .35 | | 3.38 | | |
| Goldfield | Cheyenne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hardingrove | do. | T. | .01 | | | | .01 | .04 | | | | | | .67 | .53 | | | | 1.55 | .46 | .04 | | | | | .07 | | | | | 1.12 | | 4.50 | | |
| Hardy Ranger Sta. | do. | T. | T. | | | | | | | | | | | .07 | .35 | | .53 | | .47 | T. | .38 | | | | | .22 | | | | T. | .83 | T. | 2.85 | | |
| Harveys Ranch | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hermosa | do. | .03 | .06 | | .01 | T. | T. | .34 | .23 | .03 | | T. | .33 | .70 | .02 | | | .59 | .12 | .02 | | .01 | | | | | | | | | .63 | | 3.73 | | |
| Highmore | Missouri | | .32 | | | | .02 | .09 | | | | | | .07 | .42 | | .07 | | .45 | 1.49 | .09 | | | | | .35 | .76 | | | | .45 | | 4.56 | | |
| Hopewell | Cheyenne | T. | | | | | T. | .10 | | | | | | .14 | .48 | | .10 | | .85 | .88 | .02 | | | | | .16 | | | | | | .98 | 3.71 | | |
| Howard | Missouri | | .07 | .05 | | | T. | .04 | .20 | | | .19 | | .18 | .40 | | | | .10 | 1.45 | .83 | T. | .01 | | | .18 | .33 | .01 | | | | .08 | | 4.12 | |
| Howell | James | .02 | .31 | | | | .02 | .10 | | | | | | .01 | .65 | .04 | .03 | | .32 | 1.15 | .16 | | | | | .18 | .42 | .02 | | | | .20 | 3.63 | | |
| Huron | do. | .10 | .30 | | | | T. | .09 | .05 | | | | | T. | .26 | T. | T. | | .60 | 1.53 | .43 | | | | | .38 | .28 | | | | .11 | .40 | 4.53 | | |
| Ipswich | do. | .10 | .11 | | | | .05 | | | | | | | T. | .58 | T. | .18 | | .62 | .26 | | | | | | .53 | .06 | | | | | | | | |
| Kadoka | White | T. | T. | | | | T. | .57 | | | | | | .56 | .44 | | | | .35 | .08 | T. | .03 | | | | | | | | | .47 | | 2.65 | | |
| Kennebec | Missouri | | .21 | | | | T. | .12 | | | | | | .08 | .10 | T. | T. | | .30 | .33 | T. | | | | | .12 | | | | | .64 | | 1.90 | | |
| Kimball | do. | | .52 | | | | T. | .48 | | | | | | .17 | .18 | .26 | | | .19 | .37 | .40 | T. | | | | .14 | | | | | .35 | | 3.06 | | |
| La Delle | James | .17 | .75 | | | | .15 | | | | | | | .54 | .17 | .15 | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 6—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|--------------------------|--------------|---------------|------|------|------|------|-----|-----|------|------|-----|-----|-----|------|------|------|-----|-----|-----|------|------|------|------|----|-----|-----|-----|-----|-----|-----|-----|------|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| South Dakota—Con. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Lake | Missouri | | | | | | | | .40 | | | | | .20 | .10 | .45 | | | | .81 | .61 | | | | | | .15 | | | | | .35 | 3.07 | |
| Winner | White | .37 | .06 | | | | | .46 | .23 | | | T. | .21 | .13 | .08 | .01 | | | .24 | .32 | | | | | | | | | | .28 | .06 | 2.45 | | |
| Wood | do. | | .20 | | | | | .86 | | | | | .08 | .18 | .58 | T. | | | .26 | .08 | .02 | | | | | | | | | .52 | T. | 2.78 | | |
| Yankton | Missouri | .39 | .61 | .12 | T. | T. | T. | | .23 | .02 | | | | 2.20 | .35 | .04 | | | .01 | .59 | .18 | | | | | .85 | .06 | | | | .03 | .19 | 5.87 | |
| Minnesota | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pipestone | Big Sioux | .18 | .06 | .02 | .02 | .05 | | .12 | .27 | | | | | .41 | .10 | .47 | .02 | | .26 | 1.33 | .36 | | | | | .06 | .42 | .15 | | | | T. | 4.30 | |
| Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arriba | Republican | | | .04 | | | | | .23 | .31 | .01 | | | | .03 | | | | .04 | | .02 | .08 | | | | .02 | | | .04 | | | .32 | 1.14 | |
| Auldurst | South Platte | | | .01 | | | | | .08 | | | | | | | | | .01 | | .15 | | | T. | | .09 | | .09 | | | | | | 0.43 | |
| Bennett (near) | do. | | | | | | | | .70 | | | | | | .22 | | | | | .21 | | | | | | | .11 | | | | | | 1.24 | |
| Boulder | do. | .13 | .43 | | | | | | .86 | .02 | | | | .06 | | | | .22 | | .06 | .02 | | | | .03 | | | .02 | | | | | 1.85 | |
| Burlington | Republican | T. | | | | | | .05 | .32 | .03 | | | | .01 | .01 | | | | | .03 | .03 | | | | | | | | | | | .18 | 0.66 | |
| Cassels | South Platte | | | | | | | | .15 | | | | | | | | | T. | | .02 | | | | | | | | | | | .10 | | 0.27 | |
| Castle Rock | do. | | | | | | | | .09 | .05 | T. | | | | | | | T. | | | | | | | T. | T. | | .06 | .10 | | | .11 | 0.41 | |
| Cheesman | do. | | | | | | | | | | | | | | T. | | | | | | | .34 | | | T. | T. | | T. | T. | | | T. | 0.34 | |
| Cheyenne Wells | Smoky Hill | .03 | | | T. | | | | T. | .28 | .09 | | | | | | | | | | .52 | | | | | .22 | | | T. | | | | 1.14 | |
| Corona \|\| | South Platte | | | .56 | | | | | .65 | .02 | | | | .33 | .19 | | .36 | .08 | | .48 | .30 | .05 | | | .02 | | T. | T. | T. | T. | .02 | .03 | 3.09 | |
| Denver | do. | T. | .10 | | | | | | .56 | .40 | | | | | .44 | | | .14 | .01 | .01 | .02 | | | T. | T. | T. | T. | T. | | | | T. | 1.68 | |
| Edgewater | do. | | | .28 | | | | | .24 | | | | | .01 | .63 | | | .05 | .13 | | .05 | | | | T. | T. | T. | | .94 | | | | 2.33 | |
| Estes Park Fish Hatchery | do. | T. | .16 | T. | | | | | 1.25 | | | | | | | T. | T. | .12 | | .15 | T. | | .05 | | T. | T. | | | | | | | 1.73 | |
| Fort Collins | do. | T. | .28 | .06 | | | | T. | T. | .98 | .07 | | | | .38 | | T. | .06 | .05 | .02 | .16 | .02 | .01 | T. | T. | T. | | | | | | | 2.09 | |
| Fort Lupton | do. | T. | .01 | .48 | | | | .06 | 1.18 | | | | | | .80 | | T. | .08 | | .06 | T. | | | | | | | | | .04 | | | 2.72 | |
| Fort Morgan | do. | .15 | | .04 | | | | | .93 | | | | | | .96 | | | | .13 | | | | | | | | | | | | .20 | .15 | 2.56 | |
| Frances | do. | T. | .04 | .15 | | | | | .40 | T. | | | | | .40 | | | .21 | .12 | | | .03 | | | | | | .01 | .20 | | | | 1.56 | |
| Frys Ranch | do. | | .20 | .02 | | | | | .82 | | | | | | .07 | | | | .09 | | .05 | .05 | | | | | | | | .20 | | | 1.50 | |
| Georgetown \|\| | do. | | | | | | | | .41 | | | | | .09 | | | .07 | T. | | | .02 | T. | | | | T. | T. | T. | T. | .10 | .05 | T. | 0.59 | |
| Greeley | do. | | | .26 | | | | | 2.05 | | | | | | .65 | | | T. | .05 | | T. | T. | | | T. | T. | T. | | | | | | 3.16 | |
| Grover (near) | do. | | .10 | .05 | T. | | | | .36 | .22 | | | | | .75 | | | | .20 | T. | .10 | .35 | | | | .15 | T. | | | .65 | .10 | | .32 | 2.92 |
| Hartsel | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.62 | |
| Hawthorne | do. | .01 | .22 | .20 | | | | | .74 | | | | | | T. | .40 | | | .04 | .08 | | .01 | | | | | | | | | | | T. | 1.70 |
| Holyoke (near) | Republican | | | | | | | | | .51 | .02 | | | | .05 | | | | .10 | | | .05 | | | | | | | | | | | .45 | 1.33 |
| Idaho Springs | South Platte | T. | | | | | | | .36 | | | | | | .03 | | | | .02 | .03 | T. | .02 | | | | T. | | T. | .04 | | | | T. | 0.50 |
| Julesburg | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.25 |
| Kersey | do. | | .40 | | | | | | 1.45 | | | | | | .40 | | | | | | | | | | | | | | | | | | | 1.84 |
| Laporte | do. | | .12 | | | | | | 1.15 | .12 | | | | | .12 | | | | .08 | | | .20 | | | | .05 | | | | | | | | |
| Leroy (near) | Republican | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Longmont \|\| | South Platte | | | | | | | | .60 | | | | | | | | | | | | | | | | | | | | | | | | | 0.80 |
| Longs Peak (near) | do. | .20 | | | | | | | .45 | | | | | | | | | | | | | | | | | | | | | | | | | 2.05 |
| Merino | do. | | | | | | | | | | | | | | .95 | .65 | | | | | | | | | | | | | | | | | 0.10 | |
| Moraine | do. | | .10 | | | | | | .12 | | | | | | | | | | | | | | | | | | | | | | | | | 0.65 |
| Platte Canon | do. | | .11 | | | | | | | | | | | | .05 | | | | | .07 | .26 | | | | | .01 | | | | | | | | |
| St. Cloud | do. | .09 | .07 | | | | | | .02 | .07 | | | | | T. | .10 | | T. | .04 | T. | .06 | T. | T. | | T. | T. | T. | T. | | | .02 | T. | | 1.10 |
| Sedgwick | do. | 1.00 | | | | | | | .25 | 1.00 | | | | | 1.15 | | | | | | | .20 | | | | | | | | | | | 1.10 | 3.70 |
| Spicer (near) | North Platte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterling | South Platte | | .02 | | | | | | .46 | | | | | | 2.16 | | | | .11 | .05 | | | | | | | | | | | | | .35 | 3.36 |
| Waterdale | do. | | .38 | | | | | | 1.48 | .26 | | | | | .36 | | | | .08 | .04 | | | | | | | | | | | | | | 2.66 |
| Wray | Republican | | | | | | | | .64 | | | | | | .01 | | | | | | | | | | | | | | | | | | .68 | 1.38 |
| Yuma | do. | | T. | | | | | T. | T. | | | | | T. | T. | .02 | | | | | | | | | | | | | | | | | .43 | 1.30 |
| Nebraska | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ainsworth | Niobrara | | .13 | | | | | T. | .18 | T. | .20 | T. | .30 | | 1.80 | .26 | T. | | | T. | .13 | .92 | | | | T. | .19 | .07 | | | | .50 | .97 | 5.65 |
| Albion | Loup | | 1.81 | | | | | | .18 | | .05 | .09 | | .06 | .69 | .45 | | | | | .04 | .59 | | | | T. | .02 | .09 | | | | | | 4.07 |
| Alliance | North Platte | .25 | | | | | | | | T. | .20 | | | | 1.10 | | | | | | .10 | | | | | | | | | | | | | 1.65 |
| Alma | Republican | .30 | .05 | | | | | | 1.86 | .15 | .02 | | | | | | | | | | | .11 | T. | | | | | .03 | | | | | | 2.52 |
| Arcadia | Loup | 1.36 | T. | | | | | T. | .22 | .11 | .31 | .26 | .05 | T. | T. | T. | | | | | | .12 | | | | | | | | | | | .59 | 3.02 |
| Arden \|\| | do. | 1.27 | .26 | | | | | T. | .22 | | .25 | .21 | .09 | .02 | .53 | .29 | T. | .01 | | | | .15 | .15 | | | | | | | | | | 8.4 | |
| Ashland | Platte | .22 | 1.23 | | | | | | .81 | .47 | | | | | .02 | .82 | .08 | T. | .17 | | 1.13 | 2.88 | | | | | | | | | | | .03 | 8.06 |
| Ashton | Loup | | 1.84 | .03 | | .01 | | .23 | .54 | .02 | | | | | .32 | | | | | | .11 | | | | | | | | | | | | | 3.10 |
| Atkinson \|\| | Elkhorn | | T. | T. | | | | .25 | .25 | .40 | | | | T. | T. | 2.25 | .05 | .05 | .05 | .05 | 1.68 | .05 | | | | | .18 | T. | | | | | 5.26 | |
| Auburn \|\| | Missouri | | | | 1.72 | 1.85 | .06 | | | | | | .20 | T. | .06 | .04 | | | | | 1.10 | .04 | | | | | | .19 | | | | | 6.67 | |
| Aurora | Blue | 2.31 | 1.10 | | | | .22 | | .35 | .64 | .16 | | | | .06 | .04 | | | | | 3.32 | .35 | | | | | .04 | | | | | | | 6.98 |
| Beatrice \|\| | do. | | | 1.60 | .64 | | | | .56 | .42 | .05 | | | | .04 | | | | | | | | | | | | | | | | | | | 1.99 |
| Beaver City | Republican | | .83 | | | | | | .75 | .11 | .04 | | | | .05 | | | | | | | | | | | | | | | | | | | 5.58 |
| Bellevue | Missouri | | 1.4 | 1.60 | | | | | .20 | .25 | | | | | .34 | .43 | | | | .12 | | .12 | 2.05 | | | | T. | .17 | .09 | | | | .07 | |
| Benkelman | Republican | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bertrand \|\| | do. | | 1.54 | | | | | | | .26 | .02 | | | | .45 | | | | | | | | | | | | | | | | | | | .01 |
| Blair | Missouri | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 6—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | |
|-------------------------|-------------------|---------------|------|------|------|-----|-----|-----|------|------|------|------|-----|------|------|------|-----|-----|-----|-----|------|------|------|-----|-----|-----|------|-----|-----|----|----|----|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Nebraska—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exeter..... | Blue..... | | | .94 | 1.17 | T. | | | .15 | | 1.18 | | | | | | | T. | .10 | | .03 | | | | | | | | | | | | 5.95 | |
| Fairbury \|\|..... | do..... | T. | 1.87 | .54 | T. | | | T. | 1.75 | .72 | .09 | .22 | .06 | .02 | .05 | | | | | | | | | | | | | | | | | | 8.17 | |
| Fairmont \|\|..... | do..... | | .30 | .93 | .12 | | | | .12 | .17 | .67 | .12 | | T. | | .06 | | | | | | | | | | | | | | | | | 4.46 | |
| Falls City..... | Missouri..... | | | 1.63 | .08 | .35 | | | | | .21 | .52 | T. | | .15 | | | | | | | | | | | | | | | | | | 4.15 | |
| Fort Robinson \|\|..... | White..... | .10 | | | | | | | | | .20 | | | .10 | .80 | .90 | | | | .15 | | | | | | | | | | | | | 3.50 | |
| Franklin..... | Republican..... | .54 | .33 | .03 | | | | | | .50 | .76 | | | | | | | | | | | | | | | | | | | | | | 2.53 | |
| Fremont..... | Platte..... | | 1.30 | .66 | | | | | | .28 | .13 | | | .37 | .40 | .32 | | | | | | | | | | | | | | | | | 4.88 | |
| Fullerton..... | Loup..... | | 2.22 | | | | | T. | | 1.20 | .26 | | | .25 | | .25 | | | | | | | | | | | | | | | | | 4.93 | |
| Genoa..... | Blue..... | | 1.66 | .44 | .02 | | | | .04 | 1.74 | .49 | T. | | | .11 | | .36 | | | | | | | | | | | | | | | | 7.45 | |
| Genoa..... | Loup..... | | 1.40 | | | | | T. | .07 | .33 | .21 | | .05 | .45 | .08 | | | | | T. | .38 | 1.90 | | | | | | | | | | | 3.41 | |
| Gordon..... | Niobrara..... | | | | | | | | | | | | | .50 | .80 | | | | | | | | | | | | | | | | | | 1.77 | |
| Gosper..... | Republican..... | 1.38 | | | | | | | | .16 | .24 | .04 | .03 | | .82 | | | | .04 | | | | .08 | | .03 | | | | | | | | 2.85 | |
| Gothenburg..... | Platte..... | T. | .26 | .25 | | | | T. | | 1.00 | .12 | T. | | T. | | | | | | | | | .28 | | .06 | | | | | | | | 10 | |
| Grand Island \|\|..... | do..... | | .51 | .75 | | | | | .23 | .44 | .34 | | | T. | .13 | | | | .09 | | | | .21 | .30 | | | | | | | | | 3.22 | |
| Grant..... | Republican..... | | | | | | | | .50 | .04 | | | | .24 | .38 | | | | | T. | | | | | | | | | | | | | 3.1 | |
| Greeley..... | Loup..... | 1.41 | | .08 | | | .31 | | | .06 | .31 | .11 | | .36 | .50 | .02 | | | | | | | .14 | | | .33 | | | | | | | | 3.63 |
| Guide Rock..... | Republican..... | | .05 | .05 | | | | | .65 | .80 | 1.80 | | | | .05 | | | | | | | .30 | .60 | | | | | | | | | | | 4.30 |
| Haigler..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Halsey..... | Loup..... | | .01 | | | | | | .02 | .03 | .09 | | | 1.09 | .31 | .20 | | | .11 | | | .86 | | | | .01 | .02 | | | | | | | 17 |
| Hartington \|\|..... | Missouri..... | | 1.90 | .35 | | | .78 | | | .60 | | | | 2.20 | .44 | .54 | T. | | | | .05 | .28 | .26 | | | | 1.52 | .05 | | | | | 3.01 | |
| Harvard..... | Blue..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hastings \|\|..... | do..... | | .27 | .67 | .04 | | | | | .06 | .10 | .37 | .09 | T. | | .02 | .22 | | | T. | | .62 | .38 | T. | | | | | | | | | 2.99 | |
| Hayes Center..... | Republican..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hay Springs..... | White..... | T. | | | .08 | | T. | | T. | T. | | | T. | .67 | | 1.50 | | | .15 | | | | | | | | | | | | | | 2.6 | |
| Hebron..... | Blue..... | | .32 | 1.29 | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.6 | |
| Hemingford \|\|..... | Niobrara..... | | | .07 | | .06 | .30 | | | .01 | .04 | .03 | | | .03 | .30 | .53 | | | .15 | | .01 | .03 | .02 | | | | | | | | | 96 | |
| Hendley..... | Republican..... | 1.20 | | | | | | | | .80 | .20 | | | | | | | | | | | | .56 | | | | | | | | | | 2.5 | |
| Hershey \|\|..... | South Platte..... | | | .02 | | | T. | .02 | | .15 | .40 | .02 | .05 | | .09 | .05 | | | | | | .15 | .51 | | .10 | | | | | | | | 60 | |
| Hillside..... | North Platte..... | | T. | .02 | | .03 | .08 | .01 | | .11 | .12 | .19 | | | .84 | | | | | | | T. | .14 | .18 | .01 | | | | | | | | 16 | |
| Holdrege \|\|..... | Republican..... | | .72 | | | | | | | | .25 | .02 | | | | | | | | | | | .14 | .18 | | | | | | | | | 1.3 | |
| Hooper..... | Elkhorn..... | | 1.00 | 1.10 | | | | | | .10 | .20 | | | .75 | .20 | | | | | T. | .60 | 1.20 | | | | | .40 | | | | | | 5.5 | |
| Hull (near) \|\|..... | North Platte..... | T. | .07 | | | | | | | .20 | T. | | | | 1.15 | .04 | .11 | | | | | .10 | .84 | .02 | .03 | | | | | | | | 38 | |
| Imperial..... | Republican..... | | T. | | | | T. | | | .32 | .07 | T. | .03 | .05 | .16 | | | | | | .10 | .10 | .84 | .02 | .03 | | | | | | | | T. | |
| Kearney..... | Platte..... | | .49 | | | | | .12 | | .30 | .24 | .14 | | | | | | | | | .07 | .56 | | | | | | | | | | | 1.9 | |
| Kimball \|\|..... | South Platte..... | | T. | | | | | .06 | | .20 | | | T. | .39 | .28 | T. | | | | | | T. | .10 | | | | | | | | | | 23 | |
| Kirkwood..... | Niobrara..... | | | | | | T. | | T. | .23 | T. | | | 1.05 | .22 | .32 | | | | .14 | T. | .70 | | | | | | | | | | | 27 | |
| Kowanda \|\|..... | North Platte..... | | | | | .02 | | | | .25 | .22 | .01 | | | .99 | .34 | | | | .09 | .05 | | .10 | | | .06 | | | | | | | 10 | |
| Lexington..... | Platte..... | | 1.25 | .07 | | .01 | | | | .43 | .10 | .02 | | | .04 | | | | | | | | | | | | | | | | | | 1.9 | |
| Lincoln..... | do..... | | .84 | .73 | T. | | | | | .83 | .58 | T. | | | .01 | .24 | | .22 | .03 | | | .91 | 1.29 | | | .11 | .23 | | | | | | T. | |
| Lodgepole..... | South Platte..... | | | | | | | | | .37 | .03 | | | | | .68 | | | | | | | | | | | | | | | | | .08 | |
| Loup City..... | Loup..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| McCook..... | Republican..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| McCool Junction \|\|..... | Blue..... | .64 | .62 | .15 | | | | .16 | .33 | .82 | .04 | | | | .11 | | | .08 | | | 1.00 | .24 | | | | | .26 | | | | | | .32 | |
| Madison..... | Elkhorn..... | | 1.75 | .10 | | | | | | .10 | .10 | | | T. | .75 | T. | .50 | | | | | .55 | | | | | .20 | | | | | | 4.0 | |
| Marquette..... | Blue..... | .44 | 1.07 | .02 | T. | | | .05 | | .20 | .22 | | | | .15 | | | .13 | T. | T. | .80 | | | | | | .26 | | | | | | .01 | |
| Mary..... | Loup..... | | .02 | | | | T. | | .29 | T. | .07 | .05 | | | .87 | .94 | .07 | | | | | | | | | | | | | | | | .80 | |
| Mason City \|\|..... | do..... | | | | | | .50 | | | .20 | .10 | .05 | | | | | | | | | | | | | | | | | | | | | | |
| Minatare..... | North Platte..... | .03 | .04 | | | | | | | | | | | .03 | | | | | | | | | | | | | | | | | | | 10 | |
| Minden..... | Blue..... | .13 | .18 | .02 | .02 | | | | T. | .02 | .28 | T. | | .01 | .06 | | | | | | | .02 | .20 | | | | | | | | | | | |
| Mitchell..... | North Platte..... | | | | | | | | | .08 | .01 | | | .94 | 1.80 | | | | | .04 | | .02 | .20 | | .11 | | .23 | .01 | | | | | .29 | |
| Nebraska City..... | Missouri..... | | | 1.90 | | | | | | .75 | 1.10 | | | | T. | | | | | | | * | 3.40 | | | | | | | | | | 1.0 | |
| Nelson..... | Blue..... | | | .33 | | | | | | .63 | .44 | .12 | T. | .15 | | | | | | | | | | | | .30 | | | | | | | 2.2 | |
| Norfolk..... | Elkhorn..... | 1.55 | .05 | | | | | | | .16 | .13 | T. | | | .58 | .29 | T. | | | | | .06 | .36 | | | .03 | T. | | | | | | 81 | |
| North Loup..... | Loup..... | | 1.25 | | | | | | | .25 | .53 | .11 | | T. | .25 | .50 | | | | | | .25 | .35 | | | | | .27 | | | | | 2.11 | |
| North Platte..... | North Platte..... | | | | | | | | | .25 | .35 | .03 | T. | | .03 | .06 | T. | | | | | .02 | .39 | | | .03 | | | | | | | 3.5 | |
| Oakdale..... | Elkhorn..... | .50 | .65 | .07 | | | T. | T. | .02 | .25 | .35 | .03 | T. | | .57 | .25 | .01 | | | | | .02 | .30 | | | | | .21 | | | | | 60 | |
| Omaha..... | Missouri..... | | .86 | .63 | T. | | | | | .34 | .12 | T. | | | .54 | .41 | | | | | | 1.16 | .86 | | | | .09 | .14 | .10 | | | | T. | |
| O'Neill \|\|..... | Elkhorn..... | | | | | | | | .24 | T. | .25 | | | | 3.62 | T. | .06 | T. | | | | .02 | .92 | .01 | | | | | | | | | | |
| Ord..... | Loup..... | | 1.60 | .05 | | | | | .29 | | .36 | | | .20 | .13 | .04 | .06 | T. | .02 | | | .18 | | | | | | | | | | | .86 | |
| Orleans \|\|..... | Republican..... | .20 | .03 | | | .01 | | | | .18 | | | | | | | | | | | | .19 | | | | | | | | | | | | |
| Oscola..... | Blue..... | | 1.15 | | | | | | | .40 | .40 | | | | .10 | .15 | | | | | | | .73 | | | | | .26 | | | | | | |
| Oshkosh..... | North Platte..... | | | | | | | | | .30 | .05 | | | | | | | | | | | | | | | | | | | | | | .07 | |
| Palisade..... | Republican..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Palmira..... | Missouri..... | | | 1.49 | | | | | | | | | | | .04 | | .06 | .01 | | .02 | | | | | | | | | | | | | | |
| Pawnee City..... | do..... | | | 3.30 | .05 | | | | | * | .92 | | | | .77 | | | | | | | 2.5 | 1.06 | .08 | | | | | | | | | | |
| Paxton..... | South Platte..... | T. | | | | | | | | .96 | .05 | .26 | | | .18 | .78 | .01 | T. | | | | .25 | .09 | | | | | | | | | | .34 | |
| Plymouth \|\|..... | Blue..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purdum..... | Loup..... | | .01 | | | | | | | .25 | .09 | .14 | | | .39 | .64 | T. | .29 | | | | .82 | | | | | | | | | | | .14 | |
| Ravenna..... | do..... | .17 | 2.03 | .03 | | | T. | | T. | .32 | .05 | 1.35 | .11 | T. | | | | | | .16 | | | | | | | | | | | | | 3.9 | |
| Red Cloud..... | Republican..... | | .02 | 1.16 | .06 | | | | | 1.30 | .99 | </ | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 6—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|---------------------------|-------------------|---------------|------|------|------|-----|---|---|------|------|-----|------|------|------|------|------|-----|-----|-----|-----|------|------|-----|----|-----|-----|-----|------|-----|-----|------|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Iowa. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Afton..... | Grand..... | 1.55 | 19 | 25 | | | | | 1.01 | | | | .06 | .79 | .05 | 1.31 | | .05 | | .26 | .09 | | | | T. | | .90 | | | T. | | | 6.51 | |
| Allerton..... | Chariton..... | | .47 | .88 | .40 | | | | .58 | | | | .08 | .49 | .10 | .15 | | .16 | | .21 | T. | .32 | | | | T. | .08 | .38 | | | | | 4.30 | |
| Alton..... | Floyd..... | 1.12 | .19 | | | | | | .40 | | | | | 1.17 | .25 | .11 | .02 | | .01 | | .81 | .20 | .02 | | | T. | .39 | .09 | | | .01 | | 4.79 | |
| Atlantic..... | Nishnabotna..... | T. | 1.65 | .02 | | | | | .88 | | | | .04 | .77 | .01 | .35 | .01 | .68 | | | .35 | 2.10 | | | | .01 | .02 | .27 | | | .25 | .01 | 6.82 | |
| Audubon..... | do..... | | 1.55 | .03 | | | | | .57 | .65 | | | .07 | .64 | .30 | .96 | | | | | .50 | .75 | | | | | .12 | | | | .23 | | 6.37 | |
| Bedford..... | Missouri..... | | 1.82 | .14 | .38 | | | | T. | .55 | .20 | | .07 | .01 | .02 | .01 | | .06 | | | .30 | .54 | | | T. | .06 | .50 | | | | | | 4.66 | |
| Centerville..... | Chariton..... | | .02 | 1.50 | .75 | | | | .10 | .02 | | | .38 | .37 | .05 | .17 | | .15 | | | .21 | .17 | .11 | | | | .01 | .31 | | | .05 | T. | 4.37 | |
| Chariton..... | do..... | | .45 | 1.10 | .57 | | | | .44 | | | | .12 | .55 | T. | T. | | T. | | | .12 | T. | | | | T. | .65 | | | | .15 | T. | 4.15 | |
| Clarinda \|\|..... | Nodaway..... | | .75 | .83 | .05 | | | | .54 | .68 | .05 | .01 | T. | .05 | .10 | .01 | .03 | | | | .14 | 1.38 | .90 | | | | | .25 | | | | | 5.77 | |
| Corning..... | do..... | | 2.27 | .09 | | | | | 1.30 | .05 | | .10 | .93 | .31 | .49 | | | | | | .60 | 1.78 | .02 | | | T. | .14 | 1.16 | | | | | 9.24 | |
| Corydon..... | Chariton..... | | .45 | .93 | .37 | | | | .69 | T. | .10 | | .38 | .07 | .12 | | | .22 | | | .21 | .01 | .51 | | | | .03 | .35 | | | T. | .01 | T. | 4.55 |
| Council Bluffs..... | Missouri..... | | .23 | 1.16 | | | | | .45 | .09 | | | .81 | T. | .38 | T. | .09 | | | | .10 | 1.74 | | | | T. | .20 | .12 | | | | | 5.37 | |
| Creston \|\|..... | do..... | | .46 | 1.42 | .20 | | | | .82 | .45 | | | .06 | | .81 | .86 | | .03 | T. | | | .41 | .44 | | | | | .10 | .70 | | | | 6.76 | |
| Cumberland..... | Nodaway..... | | 1.25 | .78 | | | | | 1.05 | .06 | | | .02 | 1.10 | .85 | | | .04 | | | 1.10 | .85 | | | | | .50 | | | .01 | | | 7.61 | |
| Denison..... | Missouri..... | T. | 2.41 | | | | | | .52 | | | | .61 | .47 | .13 | .17 | | | | | .72 | 1.00 | | | | | .40 | .05 | | | .25 | | 6.73 | |
| Elliott..... | Nishnabotna..... | | 1.65 | .03 | | | | | T. | .47 | .03 | | | .79 | T. | .06 | | .05 | | | T. | 2.44 | | | | T. | | .36 | | | .24 | T. | | 6.12 |
| Greenfield..... | Nodaway..... | | 1.90 | .15 | | | | | .50 | | | | .20 | .80 | .65 | .98 | | | | | .45 | .90 | | | | | .04 | .30 | | | .03 | | 6.30 | |
| Harlan..... | Nishnabotna..... | | .23 | 1.78 | T. | | | | T. | .39 | | .05 | T. | 1.01 | 1.33 | | .09 | | | | .19 | 1.16 | T. | | T. | | .06 | .03 | | | 1.31 | T. | 7.63 | |
| Inwood..... | Big Sioux..... | T. | .39 | .14 | T. | | | | .53 | | | | 1.39 | .39 | .11 | | | | .02 | | .42 | 1.32 | .01 | | | .03 | .51 | | | .56 | T. | | 6.00 | |
| Lake Park..... | Little Sioux..... | | .70 | 1.30 | | | | | .70 | | | | 1.24 | .40 | | | | | | | T. | 1.10 | T. | | | | .45 | | | | | | 5.89 | |
| Lamoni..... | Grand..... | | .60 | .16 | .33 | | | | .23 | .03 | | | .21 | .35 | T. | .12 | | .17 | | | .45 | .11 | .06 | | | | .22 | .10 | | | | | 3.14 | |
| Le Mars..... | Floyd..... | | 1.85 | .35 | T. | | | | .40 | .02 | | | 2.40 | .24 | .10 | T. | | | | | .45 | .10 | | | | .01 | .40 | .08 | | | .08 | .02 | 6.50 | |
| Lenox..... | Missouri..... | | 1.70 | .15 | .13 | | | | .78 | | | | .10 | .75 | | .13 | | | | | .18 | .72 | | | | | | | | | | | 5.73 | |
| Leon..... | Grand..... | | .50 | .75 | 1.10 | | | | .92 | .10 | T. | .05 | .76 | T. | .10 | T. | .15 | | | | .45 | .20 | .10 | T. | | | .10 | .80 | | | T. | | 6.08 | |
| Little Sioux..... | Little Sioux..... | T. | .43 | 1.56 | T. | | | | .30 | | | | 1.12 | 1.28 | .50 | | | | | | .18 | .80 | T. | | | .05 | .10 | | | | .28 | | 6.60 | |
| Logan..... | Missouri..... | T. | .20 | 2.35 | | | | | .28 | | | | .72 | 2.61 | .40 | | .03 | | | | .40 | 1.04 | | | T. | T. | | | | | 1.31 | T. | 9.34 | |
| Mount Ayr..... | Grand..... | | 1.33 | .23 | .36 | | | | .73 | .09 | | | .19 | .08 | .01 | .33 | | .10 | | | .29 | .11 | .20 | | T. | .14 | .24 | | | T. | | | 4.23 | |
| Murray..... | do..... | | 1.73 | .23 | .99 | | | | .66 | | | | .06 | .83 | .01 | .71 | | .02 | | | .20 | 1.00 | .03 | | | | .01 | .40 | | | .03 | T. | .04 | 6.05 |
| Northboro..... | Missouri..... | | 2.66 | .03 | | | | | .65 | .78 | | | | .04 | .07 | | .09 | | | | .27 | 2.10 | | | | | .12 | | | | | | 6.81 | |
| Odebolt..... | Little Sioux..... | .10 | 1.65 | | | | | | .61 | | | | .57 | .61 | .53 | .02 | | .48 | | | .85 | | | | | | .52 | .32 | | | .25 | | 6.51 | |
| Onawa..... | Missouri..... | | 1.90 | .75 | | | | | .50 | | | | .68 | .48 | .20 | | | | | | .30 | .55 | | | | | .01 | .27 | .02 | | .15 | | 5.87 | |
| Pacific Junction..... | do..... | | T. | 1.32 | .02 | | | | .90 | .11 | | | | | | | T. | .08 | | | .12 | 1.83 | | | | | .20 | .10 | | | | | 4.68 | |
| Rock Rapids..... | Big Sioux..... | | .50 | .10 | | | | | .60 | | | | 1.25 | .23 | .07 | | | | | | T. | 1.20 | T. | | | | .10 | .07 | | | .20 | .25 | 4.57 | |
| Sheldon..... | Floyd..... | | .86 | .30 | | | | | .03 | .50 | | | 1.20 | .20 | .20 | .03 | .02 | | | | .68 | .15 | | | | | .07 | .31 | .45 | | | T. | 5.00 | |
| Sibley \|\|..... | Big Sioux..... | | .14 | .68 | | | | | .01 | .04 | .66 | | | 1.20 | .20 | .41 | | .12 | | | .06 | 1.08 | .03 | | | | | .20 | .74 | | | .07 | .02 | 6.35 |
| Sioux Center..... | Floyd..... | | .74 | .12 | | | | | .41 | | | | 1.20 | .22 | | | | | | | .09 | 1.20 | .16 | T. | | | | .56 | | | | .12 | | 4.82 |
| Sioux City..... | Missouri..... | .21 | 1.38 | .01 | | | | | T. | .38 | .01 | | | .73 | .34 | .01 | T. | | | | .28 | .07 | | | | | .67 | .30 | | | .30 | .02 | 4.71 | |
| Spencer..... | Little Sioux..... | | T. | 1.78 | T. | | | | .40 | .68 | | | T. | T. | T. | T. | | T. | | | .02 | 3.42 | | | | | T. | .14 | T. | | | | 6.44 | |
| Thurman..... | Missouri..... | | T. | 2.90 | T. | | | | T. | .75 | | | | 1.52 | .95 | | | | | | 1.25 | .22 | | | | | .42 | .05 | | | .20 | .05 | 8.31 | |
| Washta..... | Little Sioux..... | T. | 2.90 | T. | | | | | T. | .75 | | | | 1.52 | .95 | | | | | | 1.25 | .22 | | | | | .42 | .05 | | | .20 | .05 | 8.31 | |
| Kansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abilene..... | Smoky Hill..... | | .04 | .80 | .16 | | | | | | | T. | | .24 | | | | | | .54 | T. | .08 | | | | | | .24 | | | | | 2.10 | |
| Agricultural College..... | Kansas..... | | T. | .94 | .15 | .84 | | | 2.87 | .45 | | | .62 | | .32 | .06 | | T. | | .22 | .71 | | | | | | | | | | | | 7.18 | |
| Alton..... | Solomon..... | .16 | T. | | | | | | .25 | .01 | | | | | T. | | | T. | | | T. | .08 | | | | | | | | | T. | .28 | | 0.75 |
| Atchison..... | Missouri..... | | .72 | .39 | 1.64 | .01 | | | .52 | | | | .25 | | .14 | | .41 | | | | 1.47 | .34 | | | | | .10 | .03 | | | | | | 6.02 |
| Beloit..... | Solomon..... | | 1.83 | .20 | .01 | | | | .93 | .50 | | | | | T. | | | | | | 1.20 | .20 | .04 | | .01 | | | | | | | | | 4.72 |
| Blakeman..... | Republican..... | .16 | | | | | | | .12 | .32 | .05 | .01 | | | .08 | | | | | | | | .14 | | | | .02 | | | | | | | 0.90 |
| Blue Rapids..... | Blue..... | | .62 | .60 | .41 | | | | .05 | 1.04 | .06 | .33 | .02 | | .08 | | .27 | | | | .78 | | | | | | | | | | | | | 4.26 |
| Centralia..... | do..... | | 1.05 | .03 | .15 | | | | .02 | .88 | T. | .03 | | .12 | .48 | | .02 | | | | .31 | .96 | | | | | | | | | | | | 4.05 |
| Chapman..... | Smoky Hill..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clay Center..... | Republican..... | | T. | .95 | | | | | 1.00 | .75 | | 1.75 | | .10 | | | | | | | .15 | .60 | | | | | | | | | | | | 5.30 |
| Colby..... | do..... | 2.51 | | | | | | | .17 | .06 | .02 | .03 | | .22 | | | | | | | | | .23 | | | | | | | | | .88 | | 5.07 |
| Concordia..... | do..... | | T. | 2.49 | .01 | | | | .37 | .51 | .03 | .50 | .01 | T. | | | | | | | 1.46 | .12 | | T. | | | | .95 | | | | | | 5.70 |
| Densmore..... | Solomon..... | T. | .05 | | | | | | .45 | .30 | .12 | T. | .05 | | T. | | | | | | T. | .33 | | | | | | | | | | | | 1.30 |
| Dresden..... | Republican..... | 1.17 | | | | | | | .60 | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 6—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|-------------------|-------------|---------------|------|------|------|------|-----|-----|-----|------|------|-----|------|------|-----|-----|-----|------|------|-----|------|------|------|----|-----|-----|-----|-----|-----|----|-----|------|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Kansas—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valley Falls | Kansas | | | .55 | .22 | 1.15 | | | | | .30 | | .16 | | | .20 | | .45 | | .70 | .30 | | | | | | .02 | | | | | | 4.05 |
| Vinland | do | | .04 | .76 | .72 | .34 | | | T. | T. | .15 | | .40 | | | .06 | | | | .14 | .27 | | | | | | | | | | | | 2.88 |
| Wakeeney | Smoky Hill | | | .23 | | | | | | | .10 | .40 | T. | .14 | | | | | | .09 | .03 | .48 | | | | | | .06 | | | | | 1.53 |
| Wallace | do | .12 | | | | | .03 | .09 | .18 | .60 | .17 | | | | | | | | | | | .14 | | | | | | | | | T. | | 1.33 |
| Wamego | Kansas | | | 1.56 | .30 | 1.56 | | | | | .50 | .32 | | .72 | .33 | | | .37 | | .52 | .50 | | T. | | | | .02 | | | | | | 6.70 |
| Missouri. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amoret | Osage | | | .05 | .95 | .52 | | | | .04 | T. | | 1.02 | | | | | .11 | | | .60 | 2.05 | | | | | | | | T. | | 5.34 | |
| Appleton City | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.94 |
| Arlington | Gasconade | | | | | T. | .20 | .08 | | | | .18 | .35 | .05 | | | | | .08 | | | | | | | | | T. | | | | | 2.38 |
| Arthur | Osage | | T. | 1.15 | | | | | | | | | | | | | | | | | T. | .25 | | | | | T. | | | | | | 4.99 |
| Avalon | Grand | | .15 | 1.00 | .86 | | | | | | .57 | .30 | | | | | | .95 | | .43 | .55 | | | | | | .18 | T. | | | | | 1.25 |
| Bagnell | Osage | | | | | .75 | | | | | | | .25 | | | | | .25 | | | | | | | | | | | | | | | 3.40 |
| Bethany | Grand | | .45 | .76 | 1.12 | | | | | .17 | .60 | | | | | .20 | | .10 | | | | | | | | | | | | | | | 2.50 |
| Bolivar | Osage | | .25 | | .43 | 1.15 | | | | | | | .55 | | | | | .06 | | | | .06 | | | | | | | | | | | 3.00 |
| Boonville II | Missouri | | | .17 | .10 | .28 | T. | | | .04 | .70 | .55 | | | | | | .20 | | | T. | .70 | | | | | | .12 | | | | | 2.86 |
| Brunswick II | Grand | | | .21 | .86 | .09 | | | | .06 | .35 | .45 | | | | | | .41 | | | .24 | .71 | | | | | T. | .02 | | | .03 | | 3.43 |
| Clinton | Osage | | | .35 | .35 | | | | | | .30 | .80 | | | | | | | | | 1.20 | | | | | | | | | | | | 3.00 |
| Columbia | Missouri | | .01 | .17 | .09 | | | | | .14 | .09 | .40 | T. | | | | | .04 | .03 | .04 | .28 | .11 | | | | .02 | .01 | | | T. | T. | | 1.43 |
| Conception | do | | 1.37 | .27 | .68 | | | | | .31 | .56 | | .05 | | .10 | .07 | | .20 | | .18 | .22 | | | | | .04 | | | | | | | 4.05 |
| Crocker | Gasconade | | .20 | | | .43 | | | | | .02 | .44 | .16 | | | | | T. | | | | | | | | | | | | | | | 1.25 |
| Eldon | Osage | | .12 | .11 | | .46 | | | | T. | .00 | .15 | | | | | | .07 | .04 | | | .14 | | | | | | .31 | | | | | 2.00 |
| Fayette | Missouri | | .06 | .25 | .38 | | | | | .22 | .32 | | | | | | | .29 | | .51 | .50 | .26 | | | | .02 | | | | | | | 2.81 |
| Fulton | do | | | .10 | | | | | | .10 | .18 | .37 | | | | | | .29 | | | | .16 | | | | | | | | | | | 0.91 |
| Glasgow II | do | | | | .32 | .64 | | | | | .32 | .26 | | | | | | | .48 | | .78 | 1.24 | | | | | | | | | | | 4.04 |
| Grant City | Grand | | 1.55 | .30 | .42 | | | | | .40 | .41 | T. | T. | T. | T. | .20 | | | .22 | | .28 | .48 | T. | | | | .06 | .35 | | | | | 4.67 |
| Harrisonville II | Osage | | .05 | .18 | 1.38 | .12 | | | | .03 | T. | .41 | .36 | | | | | .02 | | .20 | .08 | .06 | 2.62 | | | | .05 | | | | | | 5.56 |
| Hazelhurst | Grand | | 1.18 | .84 | 1.68 | | | | | T. | .44 | | | | .72 | .62 | | | | | .79 | .04 | | | | | .19 | | | | | | 6.50 |
| Hermann II | Missouri | | | .06 | .02 | .34 | | | | .04 | .16 | .10 | .04 | | | | | T. | | .06 | | T. | T. | | | | | .30 | | | | | 1.12 |
| Houston | Gasconade | | | T. | .30 | T. | | | | | T. | .43 | | | | | .28 | T. | T. | | T. | | | | | | | .25 | | | | T. | 1.26 |
| Jefferson City II | Missouri | | | .26 | | .42 | | | | .05 | | .35 | .60 | | | | | | .08 | | | .10 | | | | | | .25 | | | | | 2.11 |
| Kansas City | do | .03 | 1.31 | 1.08 | .14 | | | | | .17 | | .12 | | .10 | | | | .57 | | .55 | .35 | | | | | | | .03 | | | | | 4.45 |
| Kidder II | Grand | | .02 | 1.26 | .77 | .93 | | | | .37 | .18 | .28 | | | .48 | | | .06 | .24 | | .47 | .02 | | | | .10 | | | | | | | 5.18 |
| Lamonte | Missouri | | T. | .30 | 1.00 | T. | | | | T. | .12 | .20 | .25 | | | T. | | .10 | | .25 | .14 | .20 | | | | | | T. | | | | | 2.56 |
| Lebanon | Osage | | .25 | .10 | 1.18 | | | | | | .25 | .45 | | | | | | 1.75 | | | | | | | | | | | | | | | 3.98 |
| Lexington II | Missouri | | .07 | .09 | 1.27 | .09 | | | | | .21 | .22 | | | | | | | .46 | | .90 | .28 | | | | | .05 | | | | | | 3.64 |
| Liberty | do | | .05 | 2.36 | .84 | | | | T. | | .22 | | .22 | | T. | .32 | | .48 | | .83 | .19 | | | | | T. | | | | | | | 5.51 |
| Lockwood | Osage | | | | .80 | .64 | | | | | .17 | .57 | | | | | | .17 | | | | .19 | | | | | | | | | | | 2.54 |
| Marshall | Missouri | | T. | .50 | .38 | | | | | .39 | T. | | | | | | | .59 | | .42 | .39 | .52 | | | | .10 | | | | | | | 3.29 |
| Maryville II | do | | 1.07 | 1.10 | .20 | .46 | | | | 1.50 | .26 | .04 | | .07 | .23 | | | .21 | | .09 | .65 | .14 | | | | | .08 | | | | | | 6.10 |
| Mount Vernon | Osage | | T. | T. | 1.31 | T. | | | | | | | | | | | | | | | | | T. | | | | T. | | | | | | 1.31 |
| Nevada | do | | T. | .42 | .65 | .19 | | | | T. | | .19 | .61 | | | | | | .32 | | | .69 | | | | | | | | | | | 3.07 |
| Oregon | Missouri | | 1.69 | | .95 | | | | | .60 | | .45 | .16 | .01 | .13 | | | .03 | | .16 | .36 | 1.03 | | | | | .14 | | | | | | 5.71 |
| Osceola | Osage | | | .22 | .86 | 2.58 | | | | | .11 | .94 | | | | | | .32 | | | .26 | | | | | | | | | | | | 5.29 |
| Pattonsburg II | Grand | | | 1.02 | .67 | .69 | | | | T. | .68 | .10 | .20 | | | .34 | | .10 | | | .31 | .17 | | | | | .15 | T. | | | | | 4.43 |
| Rolla | Gasconade | | | .02 | .07 | .48 | | | | | .05 | .37 | .20 | | | | | | .02 | | | T. | | | | | | | .09 | | | | 1.30 |
| St. Charles | Missouri | | | T. | T. | .19 | | | | T. | T. | | | | | | | | .28 | | | | | | | | | T. | .09 | | | | 0.56 |
| St. Joseph | do | | T. | .79 | .61 | 1.05 | | | | .15 | .43 | | .10 | T. | .26 | T. | | .14 | | .31 | .77 | | | | | .12 | | | | | | | 4.73 |
| St. Louis (1) | Mississippi | | T. | .16 | T. | .09 | | | | T. | T. | | | | | | .07 | .28 | .04 | | T. | T. | | | | | T. | .89 | | | | | 1.53 |
| St. Louis (2) | do | | | .34 | T. | .09 | | | | T. | T. | | | | | | .07 | .23 | .02 | T. | | | | | | | T. | .67 | | | | | 1.42 |
| Sublett | Chariton | | | 2.00 | 2.00 | | | | | .12 | | | | | | | | 2.10 | 1.90 | | .50 | | | | | | | .50 | | | | | 9.12 |
| Tarkio | Missouri | | 2.50 | | | | | | | .25 | 1.10 | | .15 | | | | | .38 | | .31 | 1.50 | | | | | | | | | | | | 6.19 |
| Trenton | Grand | | T. | 1.72 | 1.07 | 1.02 | | | T. | .38 | .06 | .08 | | 1.05 | | .02 | .14 | | .41 | .03 | | | | | .07 | T. | | | | | | | 6.09 |
| Unionville II | Chariton | | | 1.40 | .85 | .65 | | | | T. | 1.10 | T. | .05 | .55 | .60 | T. | .10 | .15 | | .45 | .15 | | | | | .10 | .70 | | | | | | 6.85 |
| Warrensburg | Missouri | | .09 | .94 | .36 | | | | | .07 | .20 | .21 | | | | | | .07 | | .26 | .27 | .13 | | | | | .04 | | | | | | 2.64 |
| Warrenton II | do | | | .03 | .02 | .16 | | | | | .10 | | | | | | | | .09 | | .35 | | | | | | | | | | | | 0.95 |
| Warsaw | Osage | | T. | .30 | .40 | | | | | | .42 | .56 | | | | | | .03 | .13 | | T. | .85 | | | | | | .20 | | | | | 2.76 |
| Wheatland | do | | | .65 | .55 | 2.20 | | | | | .70 | .20 | | | | | | | | | .34 | | | | | | | | | | | | 4.64 |

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

‡ Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 6, Missouri Valley.

| Date. | Wyoming. | | | | | | | | | | | | | | Montana. | | | | | | | | | | | | | |
|--------|----------|-------|-----------|------|---------------|------|---------|------|------------|------|-------------|------|-----------|------|-------------------|------|-----------|------|---------|------|--------|------|---------|------|----------------|------|--------|-------|
| | Basin. | | Cheyenne. | | Fort Laramie. | | Lander. | | Newcastle. | | Pathfinder. | | Sheridan. | | Yellowstone Park. | | Billings. | | Dillon. | | Havre. | | Helena. | | Lewis-town. §§ | | Malta. | |
| | Max. | M'in. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 44 | 28 | 36 | 31 | 41 | 32 | 33 | 28 | 50 | 35 | 43 | 27 | 40 | 30 | 39 | 25 | 55 | 32 | 44 | 32 | 52 | 22 | 47 | 24 | 50 | 20 | 55 | 20 |
| 2.... | 50 | 29 | 51 | 28 | 48 | 30 | 41 | 28 | 44 | 30 | 44 | 30 | 46 | 29 | 41 | 28 | 51 | 31 | 44 | 33 | 51 | 38 | 47 | 35 | 50 | 24 | 55 | 23 |
| 3.... | 68 | 34 | 53 | 29 | 68 | 30 | 56 | 26 | 60 | 26 | 55 | 28 | 60 | 26 | 48 | 23 | 64 | 28 | 48 | 36 | 46 | 35 | 49 | 33 | 50 | 34 | 54 | 33 |
| 4.... | 50 | 30 | 62 | 35 | 68 | 31 | 59 | 34 | 56 | 30 | 56 | 35 | 43 | 33 | 41 | 28 | 46 | 32 | 52 | 36 | 48 | 31 | 43 | 30 | 48 | 25 | 55 | 30 |
| 5.... | 56 | 30 | 56 | 31 | 61 | 36 | 61 | 35 | 56 | 32 | 64 | 31 | 51 | 36 | 52 | 28 | 55 | 34 | 50 | 32 | 55 | 25 | 47 | 34 | 50 | 21 | 51 | 27 |
| 6.... | 78 | 38 | 67 | 37 | 80 | 40 | 71 | 35 | 70 | 38 | 72 | 33 | 64 | 39 | 65 | 26 | 69 | 34 | 55 | 38 | 60 | 30 | 67 | 33 | 63 | 29 | 56 | 21 |
| 7.... | 80 | 42 | 70 | 38 | 83 | 34 | 73 | 40 | 72 | 40 | 75 | 37 | 71 | 42 | 65 | 37 | 72 | 44 | 64 | 39 | 58 | 35 | 59 | 42 | 62 | 39 | 65 | 36 |
| 8.... | 81 | 40 | 64 | 38 | 60 | 39 | 69 | 38 | 60 | 38 | 69 | 38 | 56 | 44 | 62 | 37 | 54 | 44 | 65 | 37 | 41 | 38 | 49 | 40 | 40 | 35 | 57 | 35 |
| 9.... | 79 | 40 | 46 | 38 | 53 | 39 | 69 | 39 | 52 | 36 | 71 | 39 | 66 | 43 | 67 | 35 | 58 | 40 | 63 | 36 | 55 | 38 | 60 | 39 | 54 | 35 | 54 | 35 |
| 10.... | 78 | 38 | 63 | 40 | 77 | 40 | 78 | 43 | 74 | 36 | 74 | 41 | 72 | 44 | 67 | 36 | 74 | 41 | 64 | 38 | 70 | 37 | 62 | 43 | 71 | 36 | 75 | 36 |
| 11.... | 80 | 42 | 72 | 41 | 77 | 40 | 67 | 41 | 75 | 46 | 69 | 46 | 66 | 41 | 56 | 38 | 72 | 38 | 68 | 38 | 59 | 45 | 58 | 39 | 59 | 40 | ..... | ..... |
| 12.... | 78 | 42 | 69 | 38 | 73 | 39 | 68 | 43 | 65 | 42 | 73 | 34 | 65 | 36 | 50 | 37 | 70 | 35 | 60 | 33 | 61 | 37 | 58 | 42 | 58 | 38 | 71 | 36 |
| 13.... | 80 | 45 | 61 | 43 | 59 | 45 | 64 | 41 | 60 | 48 | 68 | 38 | 63 | 41 | 44 | 30 | 58 | 48 | 59 | 32 | 48 | 37 | 53 | 42 | 42 | 40 | 60 | 40 |
| 14.... | 76 | 41 | 48 | 34 | 55 | 40 | 62 | 34 | 52 | 38 | 58 | 34 | 61 | 33 | 48 | 27 | 60 | 35 | 63 | 34 | 61 | 27 | 57 | 39 | 52 | 30 | 46 | 34 |
| 15.... | 81 | 44 | 60 | 36 | 65 | 28 | 61 | 39 | 50 | 38 | 62 | 41 | 63 | 34 | 48 | 36 | 65 | 40 | 65 | 33 | 60 | 38 | 58 | 41 | 59 | 39 | ..... | ..... |
| 16.... | 76 | 40 | 60 | 41 | 70 | 34 | 66 | 39 | 52 | 34 | 66 | 46 | 55 | 38 | 48 | 32 | 62 | 41 | 59 | 32 | 54 | 41 | 52 | 39 | 53 | 39 | ..... | ..... |
| 17.... | 74 | 34 | 49 | 37 | 66 | 39 | 60 | 36 | 54 | 37 | 59 | 35 | 51 | 41 | 50 | 30 | 57 | 35 | 58 | 33 | 54 | 31 | 54 | 37 | 52 | 34 | ..... | ..... |
| 18.... | 70 | 36 | 70 | 43 | 76 | 41 | 67 | 43 | 52 | 44 | 70 | 43 | 48 | 39 | 39 | 31 | 45 | 42 | 56 | 36 | 54 | 39 | 44 | 37 | 42 | 37 | ..... | ..... |
| 19.... | 71 | 34 | 67 | 40 | 62 | 40 | 50 | 40 | 58 | 40 | 66 | 40 | 44 | 35 | 44 | 30 | 52 | 38 | 60 | 38 | 49 | 35 | 51 | 38 | 45 | 32 | 62 | 36 |
| 20.... | 70 | 36 | 53 | 34 | 66 | 37 | 60 | 35 | 56 | 35 | 62 | 36 | 58 | 33 | 48 | 32 | 64 | 34 | 65 | 35 | 58 | 32 | 58 | 39 | 59 | 30 | 61 | 40 |
| 21.... | 80 | 40 | 57 | 39 | 64 | 34 | 65 | 37 | 60 | 40 | 62 | 39 | 66 | 38 | 58 | 33 | 72 | 32 | 61 | 40 | 68 | 34 | 67 | 39 | 68 | 37 | 72 | 30 |
| 22.... | 84 | 46 | 68 | 36 | 78 | 35 | 74 | 37 | 70 | 36 | 72 | 35 | 75 | 33 | 68 | 34 | 82 | 36 | 58 | 42 | 77 | 44 | 74 | 45 | 74 | 36 | 77 | 40 |
| 23.... | 80 | 40 | 74 | 46 | 81 | 41 | 77 | 43 | 84 | 50 | 72 | 40 | 80 | 41 | 70 | 39 | 82 | 39 | 63 | 40 | 77 | 44 | 71 | 47 | 71 | 39 | 79 | 48 |
| 24.... | 84 | 42 | 76 | 49 | 78 | 47 | 78 | 47 | 80 | 54 | 74 | 51 | 75 | 53 | 66 | 41 | 81 | 48 | 65 | 38 | 79 | 49 | 73 | 46 | 73 | 42 | 87 | 53 |
| 25.... | 86 | 44 | 73 | 48 | 79 | 50 | 79 | 47 | 84 | 56 | 75 | 51 | 78 | 51 | 67 | 42 | 84 | 48 | 71 | 42 | 80 | 48 | 77 | 47 | 77 | 43 | 85 | 56 |
| 26.... | 88 | 40 | 78 | 47 | 83 | 41 | 82 | 47 | 87 | 58 | 82 | 48 | 82 | 46 | 75 | 42 | 89 | 44 | 78 | 40 | 83 | 53 | 87 | 53 | 85 | 47 | 88 | 58 |
| 27.... | 84 | 38 | 81 | 47 | 94 | 43 | 79 | 49 | 91 | 58 | 81 | 53 | 87 | 47 | 72 | 47 | 90 | 50 | 80 | 44 | 85 | 57 | 81 | 52 | 85 | 55 | 92 | 53 |
| 28.... | 90 | 40 | 77 | 48 | 92 | 46 | 83 | 53 | 90 | 64 | 79 | 53 | 84 | 52 | 72 | 43 | 86 | 50 | 81 | 44 | 82 | 56 | 72 | 50 | 83 | 47 | 87 | 66 |
| 29.... | 90 | 42 | 79 | 47 | 90 | 47 | 70 | 50 | 92 | 60 | 76 | 51 | 71 | 57 | 64 | 41 | 75 | 50 | 78 | 39 | 76 | 57 | 73 | 50 | 79 | 45 | 84 | 57 |
| 30.... | 88 | 42 | 70 | 49 | 83 | 48 | 69 | 50 | 76 | 54 | 74 | 49 | 77 | 56 | 73 | 41 | 85 | 54 | 79 | 42 | 81 | 49 | 79 | 49 | 81 | 48 | 86 | 58 |
| 31.... | 89 | 43 | 76 | 46 | 82 | 47 | 71 | 47 | 78 | 65 | 78 | 49 | 74 | 50 | 71 | 44 | 85 | 55 | 81 | 42 | 76 | 53 | 80 | 52 | 78 | 45 | 83 | 51 |
| Mns.. | 76.2 | 38.7 | 64.1 | 39.8 | 71.4 | 39.1 | 66.5 | 40.1 | 66.5 | 43.2 | 67.8 | 40.4 | 64.2 | 40.7 | 57.4 | 34.6 | 68.2 | 40.4 | 63.1 | 37.2 | 63.2 | 40.1 | 61.5 | 41.2 | 61.7 | 36.8 | 69.1 | 40.5 |

| Date. | Montana. | | | | North Dakota. | | | | | | | | | | South Dakota. | | | | | | | | | | | | | |
|--------|-------------|------|---------|------|------------------|-------|-----------|------|------------|------|----------------|------|------------|------|---------------|------|------------|------|--------|------|---------|------|----------|------|---------|------|-------------|------|
| | Miles City. | | Poplar. | | Berthold Agency. | | Bismarek. | | Dickinson. | | James-town. §§ | | Williston. | | Aberdeen. §§ | | Ellingson. | | Huron. | | Kadoka. | | Kimball. | | Pierre. | | Rapid City. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 52 | 34 | 61 | 21 | 54 | ..... | 48 | 32 | 49 | 30 | 44 | 31 | 51 | 29 | 48 | 34 | 47 | 31 | 47 | 36 | 48 | 35 | 59 | 36 | 45 | 37 | 39 | 33 |
| 2.... | 48 | 38 | 52 | 38 | 45 | 29 | 41 | 32 | 45 | 30 | 39 | 32 | 51 | 36 | 42 | 33 | 42 | 32 | 44 | 36 | 46 | 34 | 40 | 33 | 42 | 36 | 40 | 34 |
| 3.... | 53 | 34 | 50 | 36 | 63 | 22 | 64 | 28 | 61 | 26 | 62 | 34 | 62 | 30 | 68 | 34 | 62 | 26 | 64 | 35 | 56 | 35 | 65 | 33 | 67 | 31 | 63 | 30 |
| 4.... | 52 | 37 | 52 | 34 | 56 | 28 | 54 | 39 | 54 | 33 | 55 | 36 | 53 | 33 | 70 | 42 | 52 | 32 | 68 | 42 | 66 | 30 | 69 | 41 | 64 | 42 | 56 | 33 |
| 5.... | 58 | 31 | 60 | 22 | 57 | 27 | 56 | 30 | 55 | 24 | 57 | 32 | 54 | 27 | 65 | 32 | 59 | 26 | 62 | 38 | 70 | 30 | 61 | 40 | 61 | 39 | 56 | 34 |
| 6.... | 68 | 40 | 68 | 28 | 63 | 23 | 62 | 27 | 61 | 24 | 60 | 29 | 59 | 24 | 65 | 26 | 59 | 21 | 62 | 32 | 67 | 43 | 60 | 40 | 57 | 37 | 62 | 40 |
| 7.... | 71 | 46 | 67 | 32 | 61 | 30 | 66 | 35 | 62 | 31 | 62 | 36 | 61 | 38 | 70 | 34 | 67 | 32 | 70 | 48 | 75 | 35 | 79 | 48 | 71 | 47 | 68 | 36 |
| 8.... | 46 | 44 | 53 | 32 | ..... | ..... | 49 | 32 | 56 | 30 | 52 | 29 | 47 | 30 | 60 | 35 | 51 | 32 | 58 | 43 | 60 | 39 | 63 | 42 | 55 | 42 | 51 | 38 |
| 9.... | 54 | 42 | 52 | 36 | 56 | 32 | 54 | 39 | 48 | 32 | 57 | 33 | 51 | 42 | 60 | 35 | 43 | 32 | 56 | 41 | 46 | 38 | 57 | 38 | 55 | 43 | 42 | 34 |
| 10.... | 75 | 43 | 78 | 38 | 68 | 43 | 64 | 44 | 70 | 39 | 64 | 35 | 74 | 44 | 68 | 40 | 68 | 37 | 63 | 44 | 63 | 45 | 58 | 39 | 55 | 46 | 65 | 40 |
| 11.... | 69 | 54 | 69 | 49 | 74 | 43 | 78 | 46 | 72 | 44 | 67 | 42 | 69 | 48 | 65 | 45 | 70 | 45 | 68 | 46 | 78 | 50 | 76 | 43 | 76 | 47 | 73 | 49 |
| 12.... | 68 | 44 | 65 | 38 | 71 | 36 | 74 | 43 | 70 | 36 | 75 | 48 | 62 | 38 | 80 | 43 | 68 | 38 | 75 | 47 | 70 | 43 | 75 | 49 | 75 | 51 | 67 | 42 |
| 13.... | 55 | 48 | 55 | 34 | 55 | 33 | 58 | 36 | 60 | 37 | 55 | 32 | 52 | 35 | 65 | 35 | 56 | 39 | 63 | 47 | 63 | 50 | 67 | 46 | 64 | 44 | 51 | 46 |
| 14.... | 63 | 46 | 60 | 34 | 57 | 39 | 50 | 41 | 56 | 40 | 49 | 33 | 57 | 38 | 64 | 40 | 54 | 42 | 55 | 44 | 53 | 46 | 56 | 40 | 54 | 46 | 51 | 42 |
| 15.... | 66 | 42 | 65 | 38 | ..... | ..... | 65 | 36 | 65 | 32 | 66 | 40 | 64 | 31 | 68 | 40 | 67 | 35 | 69 | 42 | 68 | 38 | 70 | 42 | 71 | 44 | 62 | 38 |
| 16.... | 63 | 44 | 54 | 35 | 65 | 27 | 59 | 38 | 58 | 29 | 61 | 36 | 59 | 29 | 58 | 46 | 59 | 40 | 64 | 44 | 60 | 45 | 66 | 45 | 61 | 46 | 58 | 42 |
| 17.... | 63 | 44 | 58 | 35 | 56 | 34 | 55 | 37 | 54 | 37 | | | | | | | | | | | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913 District No. 6—Continued.

| Date. | South Dakota. | | | | | | Colorado. | | | | | | Nebraska. | | | | | | | | | | | | | | | | | |
|---------|-----------------|-------|-----------------|------|----------|------|-----------|------|-------|------|-------|------|---------------|------|------------------|------|--------------|------|---------|------|----------|------|---------------|------|----------|------|--------|------|--|--|
| | Sioux Falls. §§ | | Water- town. §§ | | Yankton. | | Denver. | | Wray. | | Alma. | | Bridge- port. | | Grand Island. §§ | | Hay Springs. | | Hebron. | | Lincoln. | | North Platte. | | Oakdale. | | Omaha. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | |
| 1..... | 61 | 46 | 41 | 34 | 72 | 40 | 46 | 38 | 75 | 39 | 79 | 50 | 51 | 38 | 70 | 61 | 52 | 34 | 86 | 63 | 85 | 54 | 70 | 39 | 58 | 41 | 85 | 56 | | |
| 2..... | 64 | 37 | 48 | 34 | 58 | 40 | 45 | 34 | 57 | 36 | 70 | 48 | 57 | 44 | 73 | 52 | 54 | 34 | 80 | 55 | 79 | 50 | 48 | 36 | 63 | 41 | 79 | 53 | | |
| 3..... | 60 | 38 | 57 | 34 | 57 | 38 | 56 | 35 | 66 | 32 | 61 | 39 | 65 | 27 | 57 | 39 | 62 | 26 | 55 | 44 | 60 | 45 | 67 | 31 | 59 | 38 | 65 | 46 | | |
| 4..... | 70 | 39 | 68 | 34 | 69 | 41 | 69 | 36 | 77 | 35 | 71 | 37 | 71 | 32 | 68 | 51 | 58 | 33 | 59 | 47 | 60 | 48 | 75 | 43 | 72 | 38 | 60 | 49 | | |
| 5..... | 63 | 43 | 63 | 38 | 63 | 45 | 69 | 38 | 66 | 40 | 67 | 40 | 60 | 38 | 63 | 46 | 68 | 36 | 63 | 47 | 62 | 48 | 63 | 42 | 63 | 46 | 62 | 52 | | |
| 6..... | 68 | 33 | 46 | 30 | 64 | 38 | 73 | 40 | 74 | 39 | 70 | 35 | 72 | 43 | 66 | 39 | 78 | 38 | 67 | 36 | 66 | 40 | 64 | 42 | 68 | 36 | 67 | 46 | | |
| 7..... | 73 | 38 | 65 | 34 | 69 | 52 | 77 | 48 | 78 | 45 | 74 | 45 | 78 | 42 | 67 | 46 | 70 | 36 | 68 | 45 | 67 | 51 | 75 | 47 | 67 | 47 | 67 | 50 | | |
| 8..... | 50 | 46 | 57 | 38 | 58 | 49 | 65 | 45 | 78 | 40 | 82 | 49 | 72 | 46 | 76 | 49 | 64 | 40 | 78 | 52 | 78 | 54 | 74 | 46 | 66 | 50 | 77 | 54 | | |
| 9..... | 58 | 38 | 52 | 36 | 56 | 41 | 50 | 43 | 70 | 44 | 70 | 44 | 47 | 33 | 52 | 50 | 42 | 36 | 60 | 50 | 56 | 49 | 50 | 42 | 50 | 41 | 54 | 47 | | |
| 10..... | 64 | 38 | 62 | 37 | 57 | 38 | 66 | 44 | 58 | 42 | 52 | 45 | 58 | 40 | 46 | 44 | 52 | 37 | 50 | 43 | 50 | 41 | 49 | 43 | 45 | 43 | 50 | 42 | | |
| 11..... | 60 | 40 | 60 | 42 | 62 | 45 | 79 | 44 | 86 | 52 | 60 | 48 | 82 | 48 | 60 | 44 | 78 | 48 | 68 | 42 | 66 | 44 | 64 | 46 | 59 | 42 | 64 | 46 | | |
| 12..... | 76 | 48 | 74 | 46 | 76 | 52 | 76 | 47 | 70 | 45 | 74 | 54 | 75 | 45 | 74 | 46 | 74 | 39 | 73 | 53 | 77 | 52 | 72 | 54 | 76 | 50 | 80 | 54 | | |
| 13..... | 60 | 50 | 61 | 40 | 63 | 52 | 64 | 50 | 68 | 55 | 74 | 53 | 67 | 50 | 72 | 54 | 65 | 44 | 78 | 63 | 78 | 58 | 72 | 53 | 64 | 51 | 70 | 57 | | |
| 14..... | 52 | 48 | 45 | 40 | 56 | 50 | 52 | 38 | 63 | 45 | 73 | 52 | 55 | 38 | 70 | 52 | 50 | 37 | 80 | 55 | 82 | 55 | 58 | 42 | 57 | 51 | 77 | 55 | | |
| 15..... | 65 | 42 | 64 | 37 | 65 | 45 | 67 | 39 | 75 | 32 | 74 | 39 | 70 | 31 | 74 | 44 | 63 | 31 | 68 | 47 | 68 | 50 | 74 | 36 | 69 | 45 | 66 | 50 | | |
| 16..... | 75 | 40 | 61 | 39 | 78 | 53 | 72 | 43 | 82 | 38 | 85 | 50 | 74 | 46 | 83 | 48 | 63 | 41 | 80 | 49 | 81 | 54 | 78 | 45 | 78 | 51 | 79 | 54 | | |
| 17..... | 66 | 43 | 60 | 43 | 65 | 46 | 55 | 43 | 70 | 46 | 76 | 52 | 78 | 46 | 70 | 51 | 62 | 40 | 67 | 55 | 68 | 53 | 68 | 47 | 65 | 47 | 67 | 56 | | |
| 18..... | 60 | 40 | 53 | 31 | 53 | 46 | 78 | 46 | 80 | 45 | 75 | 42 | 78 | 46 | 71 | 52 | 70 | 43 | 70 | 43 | 70 | 45 | 73 | 49 | 64 | 44 | 68 | 50 | | |
| 19..... | 50 | 42 | 43 | 38 | 52 | 44 | 76 | 46 | 80 | 50 | 95 | 59 | 68 | 48 | 85 | 39 | 55 | 39 | 81 | 50 | 83 | 54 | 85 | 47 | 60 | 48 | 75 | 51 | | |
| 20..... | 50 | 41 | 46 | 36 | 52 | 46 | 57 | 42 | 69 | 43 | 80 | 48 | 65 | 39 | 60 | 49 | 55 | 38 | 59 | 52 | 63 | 50 | 59 | 43 | 50 | 42 | 63 | 51 | | |
| 21..... | 43 | 48 | 41 | 53 | 45 | 66 | 42 | 69 | 38 | 70 | 36 | 67 | 39 | 66 | 40 | 60 | 33 | 64 | 43 | 62 | 43 | 63 | 38 | 59 | 39 | 57 | 48 | | | |
| 22..... | 60 | 41 | 60 | 46 | 71 | 42 | 76 | 39 | 70 | 43 | 81 | 40 | 66 | 47 | 69 | 34 | 62 | 42 | 60 | 44 | 72 | 43 | 59 | 38 | 58 | 46 | 60 | 46 | | |
| 23..... | 77 | 39 | 79 | 37 | 80 | 42 | 82 | 45 | 82 | 38 | 80 | 36 | 83 | 42 | 89 | 42 | 84 | 40 | 70 | 41 | 70 | 41 | 81 | 43 | 78 | 35 | 69 | 46 | | |
| 24..... | 68 | 47 | 57 | 43 | 74 | 52 | 80 | 55 | 90 | 54 | 82 | 52 | 81 | 52 | 83 | 51 | 75 | 53 | 79 | 51 | 78 | 53 | 88 | 58 | 71 | 55 | 75 | 56 | | |
| 25..... | 60 | 47 | 60 | 43 | 64 | 53 | 83 | 50 | 91 | 54 | 87 | 55 | 81 | 52 | 79 | 57 | 80 | 50 | 80 | 57 | 79 | 58 | 82 | 56 | 72 | 57 | 74 | 60 | | |
| 26..... | 72 | 47 | 75 | 45 | 74 | 55 | 83 | 52 | 91 | 48 | 88 | 52 | 93 | 44 | 82 | 55 | 85 | 49 | 76 | 56 | 75 | 59 | 88 | 52 | 81 | 55 | 72 | 57 | | |
| 27..... | 92 | 50 | 90 | 50 | 92 | 62 | 84 | 56 | 92 | 49 | 96 | 55 | 89 | 50 | 93 | 60 | 90 | 54 | 88 | 55 | 88 | 56 | 92 | 59 | 91 | 60 | 87 | 60 | | |
| 28..... | 94 | 63 | 88 | 55 | 92 | 70 | 85 | 51 | 93 | 54 | 96 | 65 | 93 | 51 | 91 | 69 | 88 | 58 | 90 | 67 | 92 | 68 | 92 | 60 | 90 | 70 | 89 | 70 | | |
| 29..... | 93 | 63 | 90 | 59 | 96 | 66 | 91 | 53 | 96 | 49 | 102 | 60 | 92 | 50 | 98 | 63 | 95 | 52 | 94 | 63 | 98 | 69 | 96 | 56 | 98 | 60 | 99 | 70 | | |
| 30..... | 80 | 62 | 89 | 61 | 81 | 65 | 71 | 56 | 91 | 61 | 90 | 60 | 84 | 55 | 87 | 66 | 77 | 50 | 88 | 64 | 90 | 69 | 85 | 61 | 83 | 62 | 90 | 70 | | |
| 31..... | 84 | 54 | 79 | 52 | 83 | 60 | 84 | 50 | 89 | 55 | 95 | 59 | 84 | 55 | 91 | 65 | 83 | 58 | 90 | 67 | 90 | 65 | 87 | 59 | 86 | 61 | 86 | 67 | | |
| Mns.. | 67.5* | 44.8* | 63.2 | 40.9 | 67.5 | 48.9 | 70.1 | 44.9 | 77.5 | 44.6 | 78.0 | 48.5 | 73.3 | 43.5 | 73.6 | 51.1 | 68.1 | 41.3 | 73.3 | 51.5 | 73.6 | 52.3 | 73.0 | 47.0 | 68.4 | 47.9 | 72.0 | 53.8 | | |

| Date. | Valentine, Nebr. | | Iowa. | | | | | | Kansas. | | | | | | | | | | Missouri. | | | | | | | |
|---------|------------------|------|--------------|------|---------|------|-------------|------|---------|------|------------|------|---------|------|---------|------|-----------|------|-----------|------|--------------|------|------------|------|----------------|------|
| | | | Clarinda. §§ | | Sibley. | | Sioux City. | | Colby. | | Concordia. | | Salina. | | Topeka. | | Wakeeney. | | Columbia. | | Kansas City. | | St. Louis. | | Unionville. §§ | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 42 | 36 | 85 | 54 | 74 | 53 | 71 | 46 | 76 | 46 | 85 | 64 | 89 | 57 | 83 | 61 | 84 | 58 | 86 | 60 | 83 | 61 | 82 | 60 | 81 | 50 |
| 2..... | 38 | 32 | 82 | 48 | 64 | 39 | 69 | 43 | 62 | 40 | 80 | 57 | 85 | 64 | 80 | 61 | 73 | 57 | 83 | 60 | 80 | 63 | 83 | 64 | 80 | 56 |
| 3..... | 65 | 30 | 72 | 53 | 55 | 41 | 52 | 41 | 64 | 36 | 59 | 48 | 74 | 49 | 71 | 55 | 60 | 41 | 73 | 63 | 70 | 59 | 81 | 65 | 76 | 60 |
| 4..... | 66 | 42 | 65 | 48 | 64 | 38 | 59 | 45 | 70 | 41 | 61 | 50 | 68 | 48 | 65 | 55 | 70 | 40 | 77 | 60 | 62 | 58 | 75 | 62 | 60 | 56 |
| 5..... | 59 | 38 | 59 | 54 | 63 | 43 | 64 | 45 | 64 | 44 | 64 | 47 | 65 | 51 | 61 | 50 | 69 | 44 | 73 | 56 | 63 | 58 | 79 | 59 | 58 | 55 |
| 6..... | 62 | 43 | 67 | 36 | 65 | 31 | 64 | 38 | 66 | 41 | 67 | 41 | 67 | 41 | 67 | 44 | 68 | 39 | 67 | 49 | 66 | 48 | 67 | 53 | 64 | 36 |
| 7..... | 74 | 49 | 69 | 38 | 67 | 37 | 67 | 49 | 77 | 45 | 70 | 48 | 74 | 45 | 69 | 48 | 76 | 46 | 69 | 44 | 68 | 50 | 67 | 48 | 66 | 40 |
| 8..... | 56 | 43 | 76 | 46 | 50 | 46 | 63 | 50 | 84 | 46 | 79 | 54 | 79 | 55 | 73 | 52 | 76 | 53 | 78 | 48 | 75 | 65 | 76 | 54 | 70 | 45 |
| 9..... | 48 | 39 | 55 | 50 | 57 | 38 | 56 | 43 | 74 | 46 | 70 | 54 | 79 | 57 | 74 | 54 | 74 | 53 | 74 | 49 | 72 | 51 | 73 | 49 | 56 | 52 |
| 10..... | 54 | 44 | 48 | 40 | 60 | 38 | 57 | 40 | 64 | 46 | 54 | 46 | 60 | 53 | 54 | 45 | 65 | 48 | 49 | 39 | 51 | 40 | 58 | 41 | 54 | 38 |
| 11..... | 80 | 46 | 60 | 37 | 65 | 42 | 63 | 47 | 82 | 52 | 73 | 44 | 84 | 46 | 69 | 45 | 77 | 52 | 61 | 46 | 62 | 46 | 65 | 45 | 60 | 33 |
| 12..... | 71 | 46 | 79 | 46 | 76 | 45 | 78 | 53 | 74 | 50 | 79 | 55 | 84 | 46 | 80 | 56 | 82 | 55 | 78 | 48 | 81 | 53 | 77 | 50 | 76 | 38 |
| 13..... | 59 | 47 | 83 | 48 | 59 | 50 | 64 | 52 | 78 | 47 | 86 | 66 | 85 | 66 | 89 | 65 | 87 | 60 | 89 | 60 | 87 | 64 | 87 | 58 | 80 | 50 |
| 14..... | 56 | 46 | 88 | 52 | 52 | 48 | 58 | 51 | 64 | 52 | 84 | 55 | 91 | 63 | 81 | 62 | 72 | 51 | 87 | 66 | 81 | 64 | 88 | 69 | 78 | 53 |
| 15..... | 68 | 38 | 65 | 49 | 61 | 42 | 64 | 46 | 74 | 36 | 74 | 48 | 75 | 47 | 69 | 53 | 76 | 43 | 74 | 55 | 68 | 57 | 81 | 64 | 64 | 50 |
| 16..... | 67 | 50 | 81 | 42 | 73 | 42 | 79 | 54 | 82 | 50 | 84 | 52 | 84 | 48 | 83 | 50 | 88 | 40 | 78 | 52 | 81 | 52 | 73 | 56 | 75 | 42 |
| 17..... | 61 | 44 | 69 | 49 | 64 | 43 | 66 | 51 | 79 | 50 | 70 | 54 | 75 | 49 | 69 | 56 | 78 | 52 | 67 | 58 | 70 | 56 | 75 | 56 | 66 | 50 |
| 18..... | 58 | 42 | 72 | 42 | 53 | 55 | 57 | 43 | 74 | 45 | 73 | 46 | 78 | 44 | 73 | 50 | 78 | 44 | | | | | | | | |

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Moderate temperatures prevailed throughout the month, except that from the 25th to 30th maximum temperatures were above the normal, generally. The precipitation was generally light and scattered, and there were no well-defined rainy periods. There was no rain of consequence over the eastern portion of the district during the last eight days of the month. Snow, ranging from a trace to 14 inches, occurred over the mountainous portions of the Colorado and New Mexico areas.

The following table summarizes the chief features of meteorological interest in the various portions of the district:

| States and portions of States lying within district No. 7. | Mean temperature. | Departure from the normal. | Mean precipitation. | Departure from the normal. | Greatest precipitation in 24 hours. | Mean snowfall. | Number of days— | | | | Prevailing wind direction. |
|------------------------------------------------------------|-------------------|----------------------------|---------------------|----------------------------|-------------------------------------|----------------|-------------------------|--------|----------------|---------|----------------------------|
| | | | | | | | With 0.01 inch or more. | Clear. | Partly cloudy. | Cloudy. | |
| Colorado..... | 59.6 | +3.1 | 0.83 | -0.98 | 1.23 | 0.3 | 5 | 16 | 12 | 3 | sw. |
| New Mexico..... | 61.4 | +1.4 | 0.69 | -1.36 | 1.40 | 0 | 4 | 16 | 12 | 3 | sw. |
| Texas..... | 70.4 | +2.7 | 3.00 | -1.07 | 3.80 | 0 | 5 | 19 | 7 | 5 | s. |
| Kansas..... | 67.9 | +3.0 | 2.67 | -1.36 | 3.80 | 0 | 7 | 16 | 10 | 5 | s. |
| Oklahoma..... | 70.4 | +2.8 | 3.50 | -2.17 | 4.01 | 0 | 6 | 17 | 9 | 5 | s. |
| Missouri..... | 66.9 | +1.4 | 2.12 | -2.94 | 2.95 | 0 | 6 | 17 | 8 | 6 | s. |
| Tennessee..... | 68.5 | -0.1 | 2.49 | -1.77 | 3.58 | 0 | 6 | 17 | 4 | 10 | s. |
| Arkansas..... | 69.3 | +0.1 | 3.32 | -2.07 | 2.70 | 0 | 7 | 16 | 10 | 5 | sw. |
| Mississippi..... | 70.5 | -1.2 | 3.18 | -1.06 | 2.80 | 0 | 7 | 19 | 7 | 5 | s. |
| Louisiana..... | 72.6 | -1.2 | 4.95 | +0.62 | 4.90 | 0 | 7 | 18 | 7 | 6 | s. |

TEMPERATURE.

Mean temperatures were from 0.1° to 5.5° above the normal, except over Louisiana, southern Arkansas, the Mississippi area, and the western portion of the Tennessee area, where there was a deficiency of 0.3° to 4.2°. Minimum temperatures were below freezing, and maximum readings were above 95° at one or more stations in each State or part of State within the district. The highest temperature recorded, 106°, occurred at Anthony and Hutchinson, Kans., and the lowest, 10°, occurred at Elizabethtown, N. Mex. A maximum temperature of 104° occurred at Jefferson, Okla.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—Less than the normal amount of precipitation occurred throughout this drainage area, except at a few stations in eastern Kansas and north-eastern Oklahoma. Over the headwaters of the Arkansas River in Colorado the average from 36 stations was 0.85 inch, about 1 inch below the normal. The average from 42 stations in those parts of the Arkansas Valley proper that lie in Kansas and Oklahoma was 2.93 inches, about 1.6 inches below the normal. Over the headwaters of

the Canadian River in New Mexico the average from 40 stations was 0.75 inch, about 1.2 inches below the normal. In those parts of the Canadian Valley that lie in Texas and Oklahoma the average from 31 stations was 2.91 inches, about 2.4 inches below the normal. The average from 20 stations in the Cimarron Valley was 1.60 inches, about 2 inches below the normal. Over the Verdigris Valley the average from 10 stations was 3.95 inches, about 1.4 inches below the normal, and over the Neosho Valley the average from 17 stations was 4.69 inches, about 1 inch below the normal. Below the Oklahoma-Arkansas line the average from 15 stations in the Arkansas Valley proper was 3.40 inches, about 2.2 inches below the normal.

Red River and tributaries.—The precipitation was below the normal over this drainage area, except at a few stations in its lower reaches. In those portions of the Red River Valley that lie in New Mexico, Texas, and Oklahoma, the average from 48 stations was 3.13 inches, about 1.4 inches below the normal. Below the Texas-Arkansas line the average from 20 stations was 4.37 inches, about 0.7 inch below the normal.

Mississippi River south of St. Louis and small tributaries.—The precipitation was deficient over this drainage area except at a few scattered stations. In the immediate Mississippi Valley the average from 40 stations was 2.33 inches, about 2.2 inches below the normal. The average from 23 stations in the Valley of the White was 2.18 inches, about 3.2 inches below the normal. Over the Yazoo Valley the average from 23 stations was 2.95 inches, about 1.5 inches below the normal. The average for the Valley of the Big Black was 4.62 inches, about 0.2 inch above the normal. The amounts from 16 stations in the Ouachita Valley averaged 4.85 inches, about 0.2 inch below the normal.

Louisiana Coastal Plain.—The precipitation was unevenly distributed over this drainage area, the average from 37 stations being 5.17 inches, about 0.9 inch above the normal.

RIVERS.

River stages in Oklahoma continued below the normal. In Kansas there was more water in the rivers than for some time previous, but no flood stages occurred.

No high stages occurred in the lower reaches of the Arkansas River, and at Little Rock there was sufficient water for navigation during the greater part of the month.

Stages in the upper reaches of the White River were relatively low. The lower White River was at a high stage at the opening of the month, but after that there was a steady fall.

No material changes occurred in the stages of the Red and Ouachita Rivers.

The Mississippi River fell steadily and flood water had receded from all overflowed lands by the close of the month.

TABLE 1.—Climatological data for May, 1913. District No. 7, Lower Mississippi Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|----------------------|------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|---------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Colorado. | | | | | | | | | | | | | | | | | | | | |
| Buena Vista | Chaffee | 7,955 | 13 | 49.1 | + 5.0 | 75 | 23† | 19 | 15 | 44* | 0.05 | - 0.59 | 0.05 | T. | 1 | 19* | 7* | 4* | nw. | C. A. Short. |
| Calhan | El Paso | 6,700 | 6 | | | | | | | | | | | | | | | | | H. B. Rice. |
| Canon City | Fremont | 5,343 | 25 | 61.9 | + 2.7 | 91 | 29 | 36 | 4 | 42 | 1.18 | - 0.61 | 0.73 | 0 | 6 | 24 | 5 | 2 | no. | U. S. Weather Bureau. |
| Colorado Springs | El Paso | 5,343 | 33 | 55.0 | + 1.0 | 81 | 25 | 23 | 6 | 42 | 1.31 | - 1.04 | 0.53 | 0 | 14 | 15 | 11 | 5 | n. | Colorado College. |
| Cripple Creek | Teller | 9,396 | 12 | | | | | | | | 0.13 | - 1.85 | 0.06 | 2.0 | 4 | | | | | F. G. Willis. |
| Cuchara Camps | Huerfano | 8,200 | 4 | | | | | | | | 1.55 | | 0.45 | 0.5 | 7 | 24 | 6 | 1 | sw. | George A. Mayes. |
| Eads | Kiowa | 4,209 | 6 | 64.0 | | 95 | 29 | 40 | 6† | 36 | 1.20 | | 0.60 | 0 | 4 | 23 | 6 | 2 | w. | Mrs. Mattie A. Kerr. |
| Fairview | Custer | 9,500 | 4 | | | | | | | | 1.82 | | 1.12 | 2.0 | 4 | 19 | 9 | 3 | e. | Elizabeth L. Grey. |
| Fremont Exper. Sta. | El Paso | 8,850 | 3 | 45.4 | | 71 | 25 | 22 | 3† | 31 | 1.80 | | 0.77 | 5.3 | 12 | 8 | 15 | 8 | w. | U. S. Forest Service. |
| Garfield | Chaffee | 9,510 | 3 | | | | | | | | 0.27 | | 0.10 | T. | 7 | 23 | 5 | 3 | w. | Lloyd N. Felton. |
| Hamp | Elbert | 5,400 | 20 | 56.2 | + 2.6 | 86 | 29 | 28 | 4 | 42 | 0.87 | - 1.09 | 0.65 | 0 | 5 | 15 | 11 | 5 | se. | W. Hamp. |
| Hermite Lake | Custer | 10,000 | 3 | | | | | | | | 0.98 | | 0.40 | 9.0 | 4 | 22 | 8 | 1 | sw. | John E. Graham. |
| Hochme (near) | Las Animas | 5,700 | 21 | 61.8 | + 4.7 | 89 | 29 | 4 | 51 | 43 | - 1.37 | 0.23 | 0.23 | 0 | 6 | 18 | 10 | 3 | w. | S. W. De Busk. |
| Holly | Prowers | 3,380 | 18 | 67.4 | + 6.6 | 96 | 24† | 35 | 15 | 44 | 0.76 | - 0.98 | 0.41 | 0 | 4 | 29 | 1 | 1 | sw. | Holly Sugar Co. |
| La Junta | Otero | | | | | | | | | | 1.63 | | 0.67 | 0 | 7 | 15 | 16 | 0 | s. | S. H. Miller. |
| Lake Moraine | El Paso | 10,265 | 19 | 43.0 | + 2.8 | 66 | 31 | 16 | 4 | 32 | 1.95 | - 1.20 | 1.14 | 14.0 | 10 | 4 | 19 | 8 | sw. | Clyde C. McReynolds. |
| Lamar | Prowers | 3,592 | 23 | 68.0 | + 4.9 | 99 | 29 | 38 | 2 | 47 | 0.68 | - 1.15 | 0.30 | 0 | 3 | 27 | 4 | 0 | sw. | J. T. Lawless. |
| Lamar | Bent | 3,899 | 45 | 64.2 | + 2.3 | 95 | 29 | 33 | 14 | 45 | 1.00 | - 0.92 | 0.36 | 0 | 7 | 8* | 18* | 4* | sw. | American Beet Sugar Co. |
| Las Animas | Costilla | 9,000 | 3 | | | | | | | | 0.29 | | 0.11 | 0 | 3 | 16 | 14 | 1 | w. | Clara M. Wright. |
| La Veta Pass | Lake | 10,248 | 17 | 42.4 | + 2.6 | 69 | 26† | 14 | 3 | 40 | 0.20 | - 0.93 | 0.12 | 1.9 | 4 | 9 | 17 | 5 | w. | U. S. Weather Bureau. |
| Leadville | Elbert | 5,360 | 6 | 56.5 | | 88 | 29 | 28 | 4 | 43 | 0.92 | | 0.60 | 0 | 4 | 17 | 11 | 3 | s. | F. L. Palmer. |
| Limon (near) | Las Animas | 6,361 | 3 | | | | | | | | 0.67 | | 0.17 | 0 | 8 | | | | | Thomas Sawers. |
| Madrid | Las Animas | | | | | | | | | | 0.47 | - 0.46 | 0.17 | 2.0 | 3 | 9 | 16 | 6 | | W. L. Williams. |
| Marshall Pass | Saguache | 10,846 | 10 | | | | | | | | 1.15 | | 0.50 | 0 | 3 | 19 | 9 | 3 | sw. | L. H. Alberti. |
| Maxey | Baca | | | | | | | | | | | | | | | | | | | U. S. Forest Service. |
| Monument | El Paso | 7,200 | 2 | | | | | | | | 1.13 | - 1.00 | 0.61 | T. | 4 | 27 | 3 | 1 | nw. | James W. Ingmire. |
| North Lake | Las Animas | 8,700 | 21 | | | | | | | | 1.43 | - 0.25 | 1.23 | 0 | 5 | 12 | 18 | 1 | nw. | U. S. Weather Bureau. |
| Pueblo | Pueblo | 4,734 | 25 | 62.4 | + 2.9 | 91 | 29 | 30 | 4 | 40 | 1.43 | - 0.25 | 1.23 | 0 | 5 | 12 | 18 | 1 | nw. | U. S. Weather Bureau. |
| Rocky Ford (near) | Otero | 4,177 | 24 | 64.0 | + 3.6 | 93 | 29 | 33 | 4 | 42 | 0.42 | - 1.40 | 0.22 | 0 | 2 | 22 | 9 | 0 | e. | P. K. Blinn. |
| St. Elmo | Chaffee | 9,500 | 4 | | | | | | | | 0.70 | | 0.34 | T. | 6 | 17 | 8 | 6 | sw. | Daniel Clark. |
| Salida | do | 7,035 | 14 | 53.4 | + 1.6 | 82 | 26 | 20 | 4 | 47 | 0.15 | - 0.77 | 0.08 | 0 | 3 | 24 | 6 | 1 | w. | M. D. L. Buell. |
| Sheridan Lake | Kiowa | 4,065 | 11 | | | | | | | | 0.76 | | 0.40 | 1.5 | 4 | 12 | 12 | 7 | w. | Howard Gamble. |
| Stonewall | Las Animas | 8,000 | 7 | | | | | | | | 0.76 | | 0.40 | 1.5 | 4 | 12 | 12 | 7 | w. | G. A. Storz. |
| Trinidad | do | 5,994 | 17 | 60.0 | + 1.7 | 84 | 29 | 31 | 4 | 41 | 1.19 | - 0.53 | 0.37 | 0 | 9 | 3 | 22 | 6 | sw. | Walter Dearden. |
| Two Buttes | Baca | 4,100 | 2 | 66.4 | | 94 | 29 | 37 | 15 | 41 | 0.95 | | 0.41 | 0 | 6 | 19 | 12 | 0 | sw. | N. G. Jones. |
| Two Buttes Reservoir | do | 4,250 | 9 | | | | | | | | 1.19 | | 0.38 | 0 | 4 | 14 | 16 | 1 | s. | Walter J. Krohne. |
| Victor | Teller | 10,100 | 9 | 46.1 | | 70 | 25 | 23 | 3† | 35 | 0.96 | | 0.58 | 6.0 | 5 | 11 | 17 | 3 | w. | Fred Jones. |
| Vilas | Baca | 3,935 | 22 | | | | | | | | 0.50 | - 1.65 | 0.35 | 0 | 3 | 4 | 25 | 2 | sw. | David Konkel. |
| Westcliffe | Custer | 7,864 | 19 | 50.0 | + 1.1 | 80 | 26 | 19 | 3† | 55 | 0.55 | - 0.91 | 0.51 | 0 | 3 | 11 | 14 | 6 | sw. | U. S. Forest Service. |
| Winfield | Chaffee | 9,705 | 3 | | | | | | | | 0.05 | | 0.05 | 1.0 | 1 | 5 | 24 | 2 | w. | John G. Payne. |
| Woodman Sanatorium | El Paso | | | | | | | | | | 0.99 | | 0.33 | 0 | 11 | 14 | 15 | 2 | se. | Woodman Sanatorium. |
| Wortman | Lake | 11,250 | 12 | | | | | | | | | | | | | | | | | Mrs. Lillie Wortman. |
| Yoder | El Paso | | 2 | | | | | | | | 0.32 | | 0.18 | 0 | 4 | 19 | 9 | 3 | sw. | J. E. Bingham. |
| New Mexico. | | | | | | | | | | | | | | | | | | | | |
| Abbott | Mora | 5,771 | 4 | | | | | | | | 0.35 | | 0.18 | 0 | 2 | 22 | 8 | 1 | s. | Agent E. P. & S. W. R. R. |
| Albert | Union | 4,700 | 23 | 66.4 | + 2.0 | 91 | 29 | 39 | 7 | 40 | 0.53 | - 1.47 | 0.24 | 0 | 3 | 13 | 18 | 0 | w. | Martin De Smet. |
| Aurora | Colfax | 8,849 | 4 | | | | | | | | 1.56 | | 0.54 | 0 | 8 | 0 | 28 | 3 | sw. | Miss J. Lucero. |
| Bell Ranch | San Miguel | 4,500 | 14 | 66.8 | | 95 | 29 | 40 | 16 | 48 | 0.53 | - 1.37 | 0.30 | 0 | 3 | 15 | 15 | 1 | w. | C. M. O'Donel. |
| Black Lake | Colfax | 8,348 | 4 | | | | | | | | 0.48 | | 0.17 | 0 | 5 | 7 | 14 | 0 | w. | Ralph T. Martinez. |
| Cabeza | San Miguel | 5,406 | 4 | | | | | | | | 0.50 | | 0.38 | 0 | 3 | 23 | 6 | 2 | sw. | Agent E. P. & S. W. R. R. |
| Campana | do | 4,493 | 4 | 68.0 | | 96 | 28† | 40 | 6 | 48 | 0.40 | | 0.40 | 0 | 2 | 21 | 10 | 0 | sw. | Do. |
| Chacon | Mora | 9,000 | 4 | | | | | | | | 0.90 | | 0.25 | 0 | 3 | 11 | 19 | 1 | w. | Alfred Lucero. |
| Cimarron (near) | Colfax | 6,385 | 9 | 58.2 | | 85 | 24 | 30 | 2 | 47 | 0.95 | | 0.25 | 0 | 9 | 13 | 14 | 4 | s. | Capt. William French. |
| Clayton | Union | 5,178 | 8 | 62.8 | | 90 | 30 | 36 | 16 | 44 | 1.24 | | 0.66 | 0 | 4 | 10 | 21 | 0 | sw. | Dr. N. E. Charleton. |
| Clovis | Curry | 4,129 | 2 | | | | | | | | | | | | | | | | | John H. Barry. |
| Cuervo | Guadalupe | 4,849 | 4 | 69.2 | | 93 | 24† | 48 | 4 | 36 | 0.51 | | 0.31 | 0 | 2 | 14 | 6 | 11 | sw. | Agent E. P. & S. W. R. R. |
| Dawson | Colfax | 6,396 | 4 | 58.6 | | 86 | 12† | 24 | 3 | 48 | 0.46 | | 0.16 | 0 | 6 | 18 | 11 | 2 | s. | Do. |
| Elizabethtown | do | 8,465 | 8 | 45.6 | | 77 | 24† | 10 | 9† | 52 | 0.45 | | 0.25 | 0 | 3 | 15 | 15 | 1 | w. | Miss M. Carrington. |
| Folsom | Union | 6,399 | 13 | 59.2 | + 3.8 | 85 | 24† | 29 | 15 | 47 | 0.46 | - 2.02 | 0.18 | 0 | 5 | 15 | 15 | 1 | sw. | David Roper. |
| Fort Union | Mora | 6,835 | 53 | 54.2 | - 2.3 | 83 | 30 | 25 | 3† | 47 | 0.45 | - 1.18 | 0.20 | 0 | 3 | 28 | 3 | 0 | sw. | M. C. Needham. |
| Hayden | do | 4,444 | 3 | 65.5 | | 90 | 19† | 39 | 15 | 45 | 1.49 | | 0.40 | 0 | 7 | 14 | 14 | 3 | s. | J. A. Bauer. |
| Hoosier Ranch | Mora | | 2 | | | | | | | | 0.55 | | 0.22 | 0 | 3 | 19 | 12 | 0 | sw. | W. H. Guthman. |
| Johnson's Park | Colfax | 6,722 | 4 | 56.0 | | 80 | 24† | 30 | 4† | 43 | 1.88 | | 0.70 | 0 | 9 | 10 | 20 | 1 | sw. | A. J. Meloch, Jr. |
| Johnson's Ranch | Mora | 5,784 | 1 | | | | | | | | 0.48 | | 0.19 | 0 | 4 | 27 | 4 | 0 | nw. | J. W. Johnson. |
| Kappus | Quay | 4,010 | 2 | | | | | | | | 1.40 | | 1.40 | 0 | 2 | | | | | Louis O'Brien. |
| Lake Alice | Colfax | 7,160 | 4 | | | | | | | | 0.60 | | 0.30 | 0 | 3 | | | | | Jesse Rickman. |
| Logan | Quay | 3,851 | 7 | 67.8 | | 97 | 25 | 38 | 16† | 56 | 1.25 | | 1.16 | 0 | 2 | 26 | 5 | 0 | sw. | John B. Rensau. |
| Lykins (near) | Roosevelt | 5,000 | 3 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 25 | 6 | 0 | sw. | J. G. Buchanan. |
| Maxwell (near) | Colfax | 5,894 | 6 | | | | | | | | 0.53 | | 0.23 | 0 | 4 | | | | | Dan N. Jackson. |
| Melrose | Curry | 4,400 | 5 | | | | | | | | 0.25 | | 0.25 | 0 | 1 | | | | | Dr. B. M. Porter. |
| Miami Ranch | Colfax | 6,000 | 5 | 58.8 | | 87 | 24 | 26 | 2 | 50 | 0.61 | | 0.36 | 0 | 3 | 15 | 16 | 0 | s. | Farmers Development Co. |
| Mills (near) | Mora | | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|------------------|---------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|---------------|--------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of overcast days. |
| Texas. | | | | | | | | | | | | | | | | | | | | |
| Amarillo | Potter | 3,676 | 21 | 68.2 | + 3.9 | 94 | 29 | 44 | 15 | 39 | 1.41 | - 2.26 | 0.67 | 0 | 7 | 26 | 4 | 1 | s. | U. S. Weather Bureau. |
| Archer City | Archer | 590 | 21 | 73.0 | ..... | 97 | 31 | 51 | 5 | 37 | 4.05 | + 3.53 | 3.25 | 0 | 4 | 26 | 3 | 2 | se. | Charles H. Thuman. |
| Arthur City | Lamar | 566 | 9 | 70.8 | ..... | 100 | 29 | 33 | 4 | 40 | 9.41 | ..... | 3.80 | 0 | 6 | 16 | 3 | 12 | ..... | J. F. Humphreys. |
| Bonham | Fannin | 2,339 | 6 | 70.8 | ..... | 100 | 29 | 33 | 4 | 40 | 4.74 | ..... | 2.10 | 0 | 5 | 17 | 2 | 12 | sw. | H. M. Norman. |
| Canadian | Hemphill | 1,869 | 20 | 70.8 | ..... | 100 | 29 | 33 | 4 | 40 | 2.82 | ..... | 2.02 | 0 | 8 | 18 | 9 | 4 | s. | R. M. Hibbard. |
| Childress | Childress | 1,406 | 5 | 71.2 | ..... | 103 | 25 | 46 | 7 | 47 | 1.59 | - 1.41 | 1.04 | 0 | 2 | 18 | 10 | 3 | s. | George Baker. |
| Chillicothe | Hardeman | 2,719 | 8 | 72.4 | + 0.3 | 94 | 31 | 51 | 7 | 32 | 1.11 | ..... | 1.00 | 0 | 4 | ..... | ..... | ..... | ..... | C. W. Underwood. |
| Clarendon | Donley | 442 | 13 | 72.4 | + 0.3 | 94 | 31 | 51 | 7 | 32 | 1.48 | ..... | 0.50 | 0 | 7 | 15 | 11 | 5 | se. | Whitfield Carhart. |
| Clarksburg | Red River | 3,397 | 10 | 63.8 | ..... | 93 | 28 | 42 | 15 | 38 | 4.97 | - 1.81 | 1.90 | 0 | 5 | 18 | 9 | 4 | ..... | J. W. O'Neill. |
| Claude | Armstrong | 3,998 | 8 | 63.8 | ..... | 93 | 28 | 42 | 15 | 38 | 2.10 | - 0.23 | 1.20 | 0 | 3 | ..... | ..... | ..... | ..... | Ft. W. & D. C. Ry. |
| Dalhart | Dallam | 915 | 21 | 73.0 | + 1.8 | 99 | 28 | 48 | 7 | 40 | 2.35 | ..... | 1.20 | 0 | 5 | 20 | 0 | 11 | sw. | W. D. Griggs. |
| Denison | Grayson | 915 | 21 | 73.0 | + 1.8 | 99 | 28 | 48 | 7 | 40 | 4.52 | - 0.30 | 1.80 | 0 | 6 | 15 | 2 | 14 | s. | E. B. Wilson. |
| Finley | Bowie | 915 | 21 | 73.0 | + 1.8 | 99 | 28 | 48 | 7 | 40 | 3.15 | ..... | 1.00 | 0 | 4 | 21 | 0 | 10 | s. | Robert L. Smith. |
| Henrietta | Clay | 915 | 21 | 73.0 | + 1.8 | 99 | 28 | 48 | 7 | 40 | 3.65 | - 0.83 | 3.45 | 0 | 3 | 16 | 13 | 2 | s. | C. K. Brown. |
| Jefferson | Marion | 2,067 | 8 | 72.0 | ..... | 101 | 28 | 46 | 16 | 46 | 3.21 | ..... | 1.20 | 0 | 6 | 20 | 2 | 9 | sw. | J. C. Kistenmacher. |
| Memphis | Hall | 2,743 | 10 | 72.0 | ..... | 101 | 28 | 46 | 16 | 46 | 2.13 | ..... | 1.00 | 0 | 4 | 22 | 2 | 7 | sw. | Ft. W. & D. C. Ry. |
| Miami | Roberts | 2,743 | 10 | 72.0 | ..... | 101 | 28 | 46 | 16 | 46 | 1.69 | - 0.69 | 0.45 | 0 | 7 | 23 | 8 | 0 | s. | J. E. Kinney. |
| Ochiltree | Ochiltree | 3,450 | 4 | 71.6 | + 0.5 | 95 | 31 | 50 | 7 | 32 | 2.44 | ..... | 1.42 | 0 | 4 | ..... | ..... | ..... | ..... | S. J. Allen. |
| Panhandle | Carson | 592 | 24 | 71.6 | + 0.5 | 95 | 31 | 50 | 7 | 32 | 2.90 | ..... | 1.00 | 0 | 4 | 18 | 6 | 7 | ..... | J. Sid O'Keefe. |
| Paris | Lamar | 592 | 24 | 71.6 | + 0.5 | 95 | 31 | 50 | 7 | 32 | 6.60 | + 1.40 | 2.47 | 0 | 6 | 16 | 8 | 7 | s. | Robert A. Millet. |
| Plemons | Hutchinson | 1,563 | 11 | 75.3 | + 5.4 | 100 | 17 | 50 | 7 | 42 | 1.87 | ..... | 0.72 | 0 | 7 | 21 | 8 | 2 | s. | C. S. Solomon. |
| Quanah | Hardeman | 1,563 | 11 | 75.3 | + 5.4 | 100 | 17 | 50 | 7 | 42 | 1.00 | - 2.40 | 0.60 | 0 | 2 | 24 | 0 | 7 | s. | William H. Crawford. |
| Ringo Crossing | Hopkins | 4,056 | 3 | 66.5 | ..... | 93 | 28 | 40 | 7 | 45 | 3.40 | ..... | 1.40 | 0 | 5 | 19 | 3 | 9 | s. | J. F. White. |
| Romero | Hartley | 745 | 20 | 72.4 | + 0.9 | 93 | 31 | 51 | 7 | 28 | 0.67 | ..... | 0.50 | 0 | 2 | 13 | 17 | 1 | se. | R. S. Chamberlain. |
| Sherman | Grayson | 3,699 | 1 | 66.8 | ..... | 96 | 28 | 37 | 15 | 44 | 4.06 | - 0.96 | 2.07 | 0 | 6 | 19 | 4 | 8 | s. | R. A. Gibbs. |
| Stratford | Sherman | 3,501 | 15 | 69.8 | + 4.1 | 100 | 25 | 45 | 5 | 43 | 1.50 | ..... | 1.07 | 0 | 7 | 7 | 23 | 1 | s. | J. W. Elliott. |
| Tulia | Swisher | 958 | 21 | 69.8 | + 4.1 | 100 | 25 | 45 | 5 | 43 | 0.84 | - 3.37 | 0.37 | 0 | 6 | 21 | 9 | 1 | se. | Lou Mulhall. |
| Wellington | Collingsworth | 958 | 21 | 69.8 | + 4.1 | 100 | 25 | 45 | 5 | 43 | 1.62 | ..... | 0.64 | 0 | 5 | ..... | ..... | ..... | ..... | J. D. Camp. |
| Wichita Falls | Wichita | 958 | 21 | 69.8 | + 4.1 | 100 | 25 | 45 | 5 | 43 | 5.82 | ..... | 3.25 | 0 | 5 | 18 | 13 | 0 | sw. | J. C. Mytinger. |
| Winfield | Titus | 958 | 21 | 69.8 | + 4.1 | 100 | 25 | 45 | 5 | 43 | 5.82 | ..... | 3.25 | 0 | 5 | 18 | 13 | 0 | sw. | J. B. Newberry. |
| Kansas. | | | | | | | | | | | | | | | | | | | | |
| Alden | Rice | 1,684 | 3 | 67.7 | ..... | 103 | 29 | 40 | 6 | 39 | 1.91 | ..... | 0.60 | 0 | 10 | 18 | 8 | 5 | s. | Geo. Klady. |
| Anthony | Harper | 1,329 | 16 | 70.0 | ..... | 106 | 29 | 41 | 7 | 44 | 0.50 | - 4.36 | 0.18 | 0 | 6 | 15 | 12 | 4 | se. | R. H. Beebe. |
| Ashland | Clark | 1,951 | 25 | 70.2 | + 4.7 | 104 | 29 | 43 | 7 | 46 | 0.69 | - 2.52 | 0.22 | 0 | 6 | 17 | 13 | 1 | se. | C. W. Carson. |
| Burlington | Coffey | 1,010 | 20 | 67.4 | + 1.7 | 102 | 30 | 42 | 23 | 38 | 4.91 | - 0.09 | 2.26 | 0 | 5 | 8 | 19 | 4 | s. | O. E. Sanford. |
| Chanute | Neosho | 940 | 9 | 67.8 | ..... | 96 | 31 | 45 | 23 | 37 | 3.26 | ..... | 2.04 | 0 | 4 | 10 | 19 | 2 | s. | C. W. Brown. |
| Cimarron | Gray | 2,700 | 1 | 68.1 | ..... | 99 | 29 | 34 | 22 | 39 | 0.63 | ..... | 0.39 | 0 | 4 | 19 | 5 | 4 | sw. | C. C. Isely. |
| Coffeyville | Montgomery | 747 | 3 | 69.0 | ..... | 96 | 30 | 46 | 7 | 40 | 4.91 | ..... | 2.23 | 0 | 10 | 15 | 13 | 3 | s. | A. F. Briggs. |
| Coldwater | Comanche | 2,090 | 16 | 69.2 | + 4.5 | 101 | 29 | 41 | 15 | 38 | 1.65 | - 1.62 | 0.68 | 0 | 6 | 21 | 10 | 0 | s. | J. L. Stanley. |
| Columbus | Cherokee | 898 | 23 | 67.6 | + 1.7 | 92 | 29 | 42 | 7 | 32 | 3.58 | - 2.48 | 0.99 | 0 | 9 | 15 | 13 | 3 | sw. | O. E. Skinner. |
| Coolidge | Hamilton | 3,348 | 16 | 66.4 | + 3.8 | 102 | 29 | 33 | 16 | 55 | 0.88 | - 1.74 | 0.38 | 0 | 1 | 14 | 16 | 1 | sw. | W. B. Padley. |
| Cottonwood Falls | Chase | 1,234 | 9 | 67.4 | ..... | 100 | 29 | 40 | 7 | 38 | 4.37 | ..... | 1.98 | 0 | 7 | 18 | 8 | 4 | s. | E. B. Greene. |
| Council Grove | Morris | 1,234 | 4 | 67.3 | ..... | 101 | 29 | 42 | 6 | 35 | 4.40 | ..... | 1.97 | 0 | 9 | 9 | 15 | 7 | s. | J. P. Blackledge. |
| Cunningham | Kingman | 1,680 | 29 | 66.6 | + 1.8 | 102 | 29 | 39 | 23 | 42 | 2.62 | - 0.91 | 1.07 | 0 | 5 | 16 | 12 | 3 | se. | W. H. Morton. |
| Dodge City | Ford | 2,513 | 39 | 67.3 | + 3.8 | 98 | 29 | 39 | 15 | 36 | 0.81 | - 2.53 | 0.57 | 0 | 11 | 14 | 12 | 5 | se. | U. S. Weather Bureau. |
| Eldorado | Butler | 1,291 | 11 | 67.8 | ..... | 101 | 29 | 39 | 7 | 37 | 1.32 | ..... | 0.63 | 0 | 6 | 19 | 9 | 3 | s. | W. Y. Miller. |
| Ellinwood | Barton | 1,790 | 38 | 68.2 | + 4.3 | 104 | 29 | 40 | 6 | 41 | 2.64 | - 0.76 | 1.16 | 0 | 9 | 9 | 17 | 5 | se. | Martin Musil. |
| Emporia | Lyon | 1,138 | 32 | 66.3 | + 1.7 | 100 | 29 | 44 | 23 | 37 | 7.45 | + 2.33 | 2.92 | 0 | 10 | 17 | 8 | 6 | s. | W. H. Boyles. |
| Eureka | Greenwood | 1,079 | 17 | 67.8 | ..... | 101 | 29 | 40 | 6 | 37 | 3.02 | - 2.54 | 1.35 | 0 | 7 | 18 | 10 | 3 | s. | Mrs. T. C. Peffer. |
| Fall River | do | 925 | 17 | 67.8 | ..... | 101 | 29 | 40 | 6 | 37 | 3.02 | - 2.54 | 1.35 | 0 | 7 | 18 | 10 | 3 | s. | J. McDaniel. |
| Fargo | Seward | 925 | 17 | 67.8 | ..... | 101 | 29 | 40 | 6 | 37 | 3.02 | - 2.54 | 1.35 | 0 | 7 | 18 | 10 | 3 | s. | N. B. Swink. |
| Fredonia | Wilson | 975 | 10 | 67.5 | ..... | 95 | 30 | 42 | 23 | 30 | 3.84 | ..... | 1.58 | 0 | 9 | 18 | 8 | 5 | s. | B. W. Holmes. |
| Garden City | Finney | 2,836 | 24 | 67.6 | + 4.2 | 104 | 29 | 38 | 6 | 42 | 1.42 | - 0.90 | 1.20 | 0 | 3 | 9 | 19 | 3 | se. | B. F. Stocks. |
| Greensburg | Kiowa | 2,235 | 6 | 68.4 | ..... | 101 | 29 | 41 | 5 | 42 | 1.13 | ..... | 0.67 | 0 | 3 | 20 | 2 | 5 | se. | C. C. Raymond. |
| Grenola | Elk | 1,116 | 25 | 67.4 | + 2.0 | 99 | 29 | 40 | 23 | 39 | 2.39 | - 2.56 | 1.94 | 0 | 6 | 13 | 15 | 3 | sw. | W. H. Lawryer. |
| Howard | do | 1,112 | 6 | 67.7 | ..... | 99 | 29 | 42 | 23 | 37 | 3.14 | ..... | 1.80 | 0 | 7 | 20 | 3 | 8 | s. | W. H. Eby. |
| Hugoton | Stevens | 9 | 68.0 | ..... | 98 | 28 | 40 | 5 | 42 | 1.07 | ..... | 0.55 | 0 | 7 | 14 | 16 | 1 | s. | E. R. Kimzey. | |
| Hutchinson | Reno | 1,535 | 23 | 68.0 | + 3.5 | 106 | 29 | 42 | 22 | 44 | 3.54 | - 0.40 | 1.15 | 0 | 8 | ..... | ..... | ..... | ..... | Sheridan Ploughe. |
| Independence | Montgomery | 800 | 39 | 68.2 | + 0.7 | 94 | 31 | 43 | 7 | 32 | 7.10 | + 2.27 | 2.81 | 0 | 13 | 16 | 10 | 5 | s. | F. L. Kenoyer. |
| Iola | Allen | 984 | 7 | 67.0 | + 2.5 | 98 | 31 | 44 | 7 | 34 | 3.35 | - 1.70 | 1.65 | 0 | 9 | 14 | 14 | 3 | s. | U. S. Weather Bureau. |
| Irene | Hamilton | 3,440 | 3 | 66.6 | ..... | 100 | 29 | 35 | 9 | 50 | 0.47 | ..... | 0.20 | 0 | 4 | 8 | 11 | 12 | sw. | N. M. Herbig. |
| Jetmore | Hodgeman | 2,268 | 12 | 68.4 | ..... | 103 | 29 | 42 | 6 | 39 | 5.18 | ..... | 1.55 | 0 | 8 | 16 | 13 | 2 | sw. | James Aikin. |
| Kingman | Kingman | 1,504 | 5 | 68.4 | ..... | 103 | 29 | 42 | 6 | 39 | 5.18 | ..... | 1.55 | 0 | 8 | 16 | 13 | 2 | sw. | B. B. Anawalt. |
| La Crosse | Rush | 2,061 | 11 | 67.8 | + 5.4 | 104 | 29 | 35 | 6 | 50 | 1.54 | - 1.82 | 0.70 | 0 | 8 | 16 | 12 | 3 | se. | Rodney Torrey. |
| Lakin | Kearny | 2,993 | 23 | 67.0 | + 4.0 | 104 | 29 | 34 | 6 | 48 | 0.10 | - | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|---------------------|--------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|---------------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of overcast cloudy days. |
| Oklahoma. | | | | | | | | | | | | | | | | | | | | |
| Ada. | Pontotoc. | 1,001 | 5 | 69.0 | | 95 | 31 | 45 | 7 | 31 | 4.73 | | 2.01 | 0 | 8 | 18 | 17 | 6 | s. | H. P. Sugg. |
| Altus. | Jackson. | 1,410 | | 73.0 | | 99 | 29 | 47 | 7 | 40 | 1.53 | | 0.77 | 0 | 5 | 19 | 5 | 7 | se. | U. S. Weather Bureau. |
| Alva. | Woods. | 1,350 | 8 | 70.7 | | 103 | 29† | 41 | 7 | 40 | 3.55 | | 1.25 | 0 | 4 | 12 | 19 | 0 | s. | S. A. Stech. |
| Apache. | Caddo. | 1,255 | 3 | 70.2 | | 98 | 31 | 42 | 7 | 42 | 2.35 | | 1.62 | 0 | 5 | 23 | 4 | 4 | sw. | G. D. Teeter. |
| Arapaho. | Custer. | 1,575 | 19 | 70.8 | + 2.4 | 99 | | 46 | | 44 | 4.27 | - 1.10 | 2.45 | 0 | 5 | 27 | 2 | 1 | s. | J. C. Brower. |
| Ardmore. | Carter. | 872 | 11 | 72.0 | + 3.0 | 100 | 31 | 47 | 7 | 37 | 4.13 | - 1.83 | 2.10 | 0 | 7 | 20 | 4 | 7 | se. | H. T. Nisbett. |
| Bartlesville. | Washington. | 687 | 5 | 71.2 | | 98 | 30 | 48 | 7 | 33 | 4.53 | | 1.69 | 0 | 11 | 13 | 10 | 8 | se. | Dr. A. P. Owens. |
| Beaver. | Beaver. | 2,500 | 16 | 70.7 | + 4.6 | 104 | 29† | 41 | 3 | 39 | 1.83 | - 0.88 | 0.78 | 0 | 5 | 26 | 1 | 4 | s. | W. C. Frazer. |
| CACHE. | Comanche. | 1,350 | 7 | 67.1 | | 94 | 17† | 40 | 5 | 44 | 2.69 | | 1.64 | 0 | 4 | 20 | 6 | 5 | s. | Mrs. Frank Rush. |
| Calvin. | Hughes. | 713 | 8 | | | | | | | | 3.73 | | 1.20 | 0 | 8 | 20 | 0 | 11 | s. | Thomas Purcell. |
| Chandler. | Lincoln. | 865 | 11 | 70.2 | + 2.4 | 97 | 31 | 48 | 24† | 38 | 3.55 | - 4.93 | 1.75 | 0 | 4 | 12 | 2 | 17 | s. | Chas. L. Kern. |
| Chattanooga. | Comanche. | 1,150 | 7 | 69.0 | | 94 | 30† | 45 | 7 | 36 | 7.14 | | 2.10 | 0 | 7 | 13 | 11 | 7 | s. | Squire Humble. |
| Chickasha. | Grady. | 1,091 | 11 | 69.8 | + 0.9 | 98 | | 45 | | 38 | 2.70 | - 4.04 | 1.70 | 0 | 14 | 20 | 2 | 8 | s. | Anna W. O'Neill. |
| Cleveland. | Pawnee. | 800 | 11 | | | | | | | | | | | | | | | | | Chas. C. Breed. |
| Cloud Chief. | Washita. | 1,400 | 11 | 71.8 | + 4.3 | 100 | 30 | 41 | 6 | 44 | 1.83 | - 3.83 | 0.81 | 0 | 4 | 17 | 11 | 3 | se. | J. P. Stutzman. |
| Crawford. | Roger Mills. | | | | | | | | | | | | | | | | | | | W. W. Blackburn. |
| Durant. | Bryan. | 643 | 11 | 70.6 | + 1.7 | 97 | 31 | 48 | 24 | 37 | 4.99 | - 1.03 | 2.44 | 0 | 7 | 20 | 6 | 5 | s. | Nelson Houk. |
| Eldorado. | Jackson. | 1,456 | 6 | 74.3 | | 102 | | 45 | | 41 | 0.49 | | 0.49 | 0 | 1 | 18 | 11 | 1 | se. | T. W. Lanham. |
| Elk City. | Beckham. | | 1 | | | | | | | | | | | | | | | | | R. J. Carille. |
| El Reno. | Canadian. | 1,400 | 21 | 72.5 | + 5.2 | 101 | | 45 | | 38 | 1.56 | - 3.60 | 1.01 | 0 | 4 | 20 | 5 | 5 | se. | Rose E. Walker. |
| Enid. | Garfield. | 1,269 | 11 | 69.7 | + 3.8 | 102 | 31 | 43 | 7 | 41 | 1.54 | - 4.18 | 0.67 | 0 | 6 | 17 | 11 | 3 | s. | Uri B. Worcester. |
| Erick. | Beckham. | 2,058 | 8 | 72.0 | | 102 | | 45 | | 52 | 2.05 | | 0.80 | 0 | 4 | 15 | 8 | 1 | s. | A. W. Hanes. |
| Eufaula. | McIntosh. | 566 | | 69.6 | | 93 | 31 | 42 | 7 | 35 | 3.75 | | 1.50 | 0 | 7 | 19 | 4 | 8 | s. | R. Uhl Brown. |
| Fairland. | Ottawa. | 839 | 13 | 69.3 | + 2.9 | 95 | 31 | 42 | 7 | 37 | 4.49 | - 1.16 | 1.59 | 0 | 8 | 15 | 12 | 4 | s. | C. W. Prier. |
| Fort Gibson. | Muskogee. | 556 | 8 | | | | | | | | 5.18 | | 1.07 | 0 | 10 | 16 | 3 | 12 | se. | John T. Welsh. |
| Frederick. | Tillman. | 1,293 | 6 | 73.1 | | 102 | 17 | 48 | 7 | 39 | 2.44 | | 1.09 | 0 | 4 | 18 | 10 | 3 | se. | B. B. Bradley. |
| Geary. | Blaine. | 1,546 | 1 | 71.1 | | 99 | 30† | 44 | 7 | 42 | 2.13 | | 1.50 | 0 | 4 | 21 | 6 | 4 | s. | O. P. Ruth. |
| Goodwell. | Texas. | 3,300 | 2 | 68.7 | | 97 | 29 | 40 | 15 | 45 | 1.32 | | 0.90 | 0 | 5 | 20 | 6 | 5 | s. | S. W. Black. |
| Guthrie. | Logan. | 1,000 | 20 | 71.6 | + 2.2 | 98 | 28† | 44 | 7 | 35 | 4.80 | - 1.27 | 2.40 | 0 | 6 | 23 | 4 | 4 | s. | S. E. Snyder. |
| Guymon. | Texas. | 3,133 | 3 | | | | | | | | 1.36 | | 0.50 | 0 | 5 | 5 | 26 | 0 | n. | A. L. Mordt. |
| Hartshorne. | Pittsburg. | 700 | 14 | | | | | | | | | | | | | | | | | Frank Webber. |
| Healdton. | Carter. | 900 | 19 | 70.0 | + 0.4 | 95 | 31 | 42 | 7 | 41 | 4.19 | - 2.14 | 1.95 | 0 | 5 | 20 | 9 | 2 | se. | C. H. Heald. |
| Helen. | Alfalfa. | 1,396 | 5 | | | | | | | | | | | | | | | | | J. G. McCall. |
| Hennessey. | Kingfisher. | 1,166 | 18 | 72.6 | + 4.8 | 102 | 31 | 46 | 23 | 40 | 4.09 | - 1.07 | 1.97 | 0 | 4 | 18 | 11 | 2 | s. | Mrs. M. C. Parks. |
| Hobart. | Kiowa. | 1,396 | 10 | 72.9 | | 101 | 31 | 42 | 7 | 42 | 1.26 | | 0.60 | 0 | 5 | 19 | 11 | 1 | s. | J. M. Pate. |
| Holdenville. | Hughes. | 900 | 12 | 68.8 | + 1.1 | 96 | 31 | 45 | 7 | 34 | 3.71 | - 4.00 | 1.00 | 0 | 9 | 20 | 8 | 3 | s. | Eula Rutherford. |
| Hooker. | Texas. | 3,038 | 7 | 67.9 | | 100 | 28† | 41 | 15† | 40 | 1.55 | | 0.81 | 0 | 5 | 11 | 3 | 17 | s. | H. N. Kelly. |
| Hugo. | Choctaw. | | | 71.0 | | 91 | 29† | 50 | 6 | 35 | 8.41 | | 3.63 | 0 | 8 | 24 | 3 | 4 | n. | G. C. Montgomery. |
| Hurley. | Cimarron. | 4,200 | 5 | 66.5 | | 97 | 29 | 37 | 15 | 46 | 0.08 | | 0.06 | 0 | 2 | 4 | 19 | 8 | sw. | Dr. C. W. Meyers. |
| Idabel. | McCurain. | 474 | 4 | | | | | | | | | | | | | | | | | M. L. Henderson. |
| Jefferson. | Grant. | 1,062 | 19 | 68.8 | + 1.7 | 104 | 29 | 40 | 7 | 42 | 2.64 | - 2.35 | 1.44 | 0 | 4 | 22 | 6 | 3 | s. | T. E. Beck. |
| Kenton. | Cimarron. | 4,000 | 12 | 65.5 | + 3.8 | 94 | 28† | 36 | 15 | 42 | 0.66 | - 1.82 | 0.26 | 0 | 6 | 11 | 19 | 1 | se. | Wm. H. Guy. |
| Kingfisher. | Kingfisher. | 1,046 | 16 | 71.6 | + 3.8 | 100 | 30† | 42 | 7 | 39 | 3.02 | - 3.00 | 2.20 | 0 | 9 | 18 | 12 | 1 | s. | J. C. Cross. |
| Lawton. | Comanche. | 1,111 | | 72.2 | | 98 | 17† | 46 | 7 | 38 | 4.93 | | 2.53 | 0 | 7 | 20 | 4 | 7 | se. | Frank M. Head. |
| Lawtonka Lake. | do. | | | | | | | | | | 3.22 | | 1.80 | 0 | 4 | | | | | W. F. Stuart. |
| McAlester. | Pittsburg. | 698 | 16 | 70.8 | | 95 | 31 | 45 | 7 | 32 | 6.25 | - 0.65 | 2.27 | 0 | 7 | 15 | 5 | 11 | s. | William Noble. |
| Mangum. | Greer. | 1,585 | 20 | 71.6 | + 1.8 | 101 | 25† | 45 | 7 | 43 | 0.91 | - 3.18 | 0.40 | 0 | 5 | 20 | 3 | 8 | se. | F. D. Dodson. |
| Marlow. | Stephens. | 1,292 | 12 | 70.5 | + 2.9 | 95 | 30† | 48 | 7 | 34 | 3.90 | - 2.66 | 2.40 | 0 | 3 | 23 | 5 | 3 | s. | William B. Anthony. |
| May. | Harper. | | 19 | | | | | | | | | | | | | | | | | G. C. Gray. |
| Meeker. | Lincoln. | 1,030 | 14 | 70.6 | + 2.6 | 100 | 31 | 42 | 15 | 43 | 4.20 | - 1.93 | 2.90 | 0 | 6 | 21 | 6 | 4 | s. | Dr. J. H. Baugh. |
| Muskogee (1). | Muskogee. | | | 68.8 | | 96 | 31 | 46 | 7 | 33 | 5.41 | | 1.98 | 0 | 12 | 14 | 10 | 7 | s. | U. S. Weather Bureau. |
| Muskogee (2). | do. | 614 | 14 | 70.2 | + 2.7 | 94 | 31 | 45 | 7 | 31 | 5.31 | - 0.98 | 2.05 | 0 | 10 | 21 | 3 | 7 | se. | J. Harry Randall. |
| Mutual. | Woodward. | | 5 | 70.4 | | 102 | 30† | 42 | 7 | 45 | 2.33 | | 0.95 | 0 | 5 | 22 | 4 | 5 | s. | Thomas Martin. |
| Neola. | Caddo. | 1,500 | 7 | 70.2 | | 98 | 31 | 44 | 7 | 46 | 1.77 | | 1.05 | 0 | 4 | 18 | 11 | 2 | se. | R. N. Schooling. |
| Newkirk. | Kay. | 1,149 | 15 | 71.6 | + 4.7 | 103 | 29† | 47 | 7† | 39 | 4.95 | - 1.21 | 3.30 | 0 | 4 | 17 | 11 | 3 | s. | F. H. Albright & Co. |
| Norman. | Cleveland. | 1,171 | 18 | 69.8 | + 0.7 | 97 | 31 | 45 | 7 | 38 | 4.36 | - 1.97 | 2.50 | 0 | 7 | 16 | 12 | 3 | s. | S. E. Boyd. |
| North Muskogee. | Muskogee. | | | | | | | | | | 4.31 | | 1.00 | 0 | 10 | 10 | 8 | 13 | s. | J. E. Walker. |
| Oakwood. | Dewey. | 1,854 | 3 | | | | | | | | | | | | | | | | | Dr. L. H. Murdoch. |
| Okeene. | Blaine. | 1,194 | 8 | 70.7 | | 102 | | 41 | | 36 | 1.67 | | 0.62 | 0 | 7 | 23 | 6 | 2 | s. | S. F. Smith. |
| Okemah. | Okfuskee. | 1 | 1 | 70.1 | | 95 | 31 | 45 | 6 | 30 | 5.60 | | 1.85 | 0 | 7 | 19 | 1 | 11 | s. | U. S. Weather Bureau. |
| Oklahoma. | Oklahoma. | 1,247 | 23 | 69.3 | + 1.2 | 95 | 31 | 47 | 7 | 32 | 3.88 | - 1.87 | 2.20 | 0 | 8 | 16 | 10 | 5 | s. | J. L. Maynard. |
| Okmulgee. | Okmulgee. | 752 | 8 | | | | | | | | | | | | | | | | | A. M. Foss. |
| Pauls Valley. | Garvin. | 880 | 12 | 70.0 | + 2.5 | 98 | 31 | 41 | 7 | 41 | 6.81 | - 0.64 | 2.58 | 0 | 5 | 26 | 3 | 2 | s. | R. C. Block. |
| Pawhuska. | Osage. | 918 | 12 | 70.8 | + 3.5 | 98 | 29† | 43 | 7 | 36 | 4.97 | - 1.75 | 4.01 | 0 | 6 | 20 | 10 | 1 | s. | S. E. Laird. |
| Perry. | Noble. | 920 | 14 | 72.2 | + 5.5 | 99 | 29† | 44 | 7 | 38 | 4.08 | - 2.45 | 4.00 | 0 | 2 | 15 | 16 | 0 | s. | Roy Kagay. |
| Rankin. | Roger Mills. | 2,200 | 9 | 69.3 | | 99 | 31 | 44 | 6† | 44 | 1.27 | | 0.48 | 0 | 7 | 18 | 12 | 1 | sw. | R. G. Gupitill. |
| Ravia. | Johnston. | 796 | 10 | 70.6 | | 96 | 31 | 46 | 7 | 35 | 4.05 | | 2.32 | 0 | 3 | 21 | 3 | 7 | s. | Thomas P. Myers. |
| Sac and Fox Agency. | Lincoln. | 900 | 19 | 71.0 | + 3.5 | 97 | | 44 | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|---------------------|---------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|-----------------------|---------------------------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|--------------------------|----------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of overcast days. | | |
| Missouri—Continued. | | | | | | | | | | | | | | | | | | | | |
| Joplin. | Jasper. | 979 | 36 | 69.4 | + 2.3 | 96 | 30 | 44 | 7 | 32 | 3.45 | - 2.02 | 1.20 | 0 | 7 | 21 | 8 | 2 | s. | Joplin High School. |
| Koshkonong. | Oregon. | 911 | 13 | 70.0 | + 3.6 | 94 | 31 | 44 | 7 | 32 | 1.23 | - 3.52 | 0.55 | 0 | 4 | 13 | 12 | 6 | se. | J. W. Hitt. |
| Lamar. | Barton. | 964 | 34 | 68.3 | + 2.6 | 97 | 31 | 41 | 7 | 36 | 2.34 | - 3.36 | 0.58 | 0 | 7 | 19 | 8 | 4 | s. | E. H. Adams. |
| Marble Hill. | Bollinger. | 420 | 22 | 66.1 | + 0.2 | 96 | 31 | 40 | 12 | 40 | 2.45 | - 1.93 | 0.95 | 0 | 3 | 17 | 11 | 3 | s. | A. F. Hendrix. |
| Mountaingrove. | Wright. | 1,490 | 15 | 66.0 | + 1.8 | 96 | 30 | 39 | 24 | 36 | 1.15 | - 3.35 | 0.74 | 0 | 5 | 11 | 13 | 7 | s. | Mo. Fruit Exp. Sta. |
| Mount Vernon. | Lawrence. | 1,480 | 34 | 67.4 | + 1.4 | 96 | 31 | 39 | 23 | 36 | 1.31 | - 4.41 | 1.31 | 0 | 1 | 27 | 0 | 4 | sw. | J. R. White & Son. |
| Neosho. | Newton. | 1,023 | 31 | 67.2 | + 1.0 | 93 | 31 | 39 | 7 | 39 | 4.52 | - 1.65 | 2.10 | 0 | 11 | 23 | 5 | 3 | se. | W. O. Buck. |
| New Madrid. | New Madrid. | 285 | 20 | | | | | | | | 1.58 | - 2.88 | 0.80 | 0 | 7 | 18 | 3 | 10 | se. | Miss Josie Smith. |
| Oakfield. | Franklin. | 793 | 22 | 67.2 | + 1.2 | 96 | 31 | 39 | 10 | 36 | 0.97 | - 4.43 | 0.54 | 0 | 6 | 7 | 14 | 10 | se. | E. E. Steines. |
| Rolla. | Phelps. | 1,130 | 33 | 66.1 | + 1.9 | 98 | 31 | 42 | 10 | 36 | 1.30 | - 3.80 | 0.48 | 0 | 8 | 20 | 5 | 6 | s. | Prof. P. J. Wilkins. |
| Springfield. | Greene. | 1,350 | 26 | 66.3 | + 1.6 | 90 | 31 | 46 | 23 | 28 | 2.38 | - 3.17 | 1.30 | 0 | 10 | 21 | 7 | 3 | s. | U. S. Weather Bureau. |
| Kentucky. | | | | | | | | | | | | | | | | | | | | |
| Blandville. | Ballard. | 445 | 32 | 67.4 | + 0.9 | 93 | 31 | 47 | 11 | 32 | 0.65 | - 3.88 | 0.26 | 0.0 | 5 | 11 | 11 | 9 | sw. | E. W. Horr. |
| Tennessee. | | | | | | | | | | | | | | | | | | | | |
| Arlington. | Shelby. | 31 | 68.6 | - 0.1 | 94 | 31 | 45 | 12 | 36 | 2.92 | - 1.32 | 1.60 | 0 | 5 | 16 | 6 | 9 | s. | A. Thomas B. Etheridge. | |
| Bolivar. | Hardeman. | 450 | 30 | 68.4 | + 0.5 | 95 | 31 | 46 | 12 | 37 | 2.20 | - 1.68 | 0.61 | 0 | 5 | 22 | 0 | 9 | s. | Miss Mary A. Smith. |
| Brownsville. | Haywood. | 361 | 31 | 69.4 | + 0.8 | 97 | 31 | 48 | 12 | 37 | 4.00 | + 0.08 | 3.58 | 0 | 7 | 19 | 0 | 12 | nw. | Miss Hattie N. Moses. |
| Covington. | Tipton. | 311 | 30 | 68.6 | - 0.5 | 94 | 31 | 50 | 1 | 31 | 1.88 | - 2.46 | 1.15 | 0 | 6 | 19 | 0 | 12 | s. | James S. Ruffin. |
| Dyersburg. | Dyer. | 310 | 30 | 68.4 | + 0.2 | 94 | 31 | 48 | 12 | 36 | 3.35 | - 0.80 | 1.65 | 0 | 5 | 21 | 0 | 10 | se. | Miss Martha A. Sinclair. |
| Jackson. | Madison. | 450 | 23 | 68.8 | + 0.1 | 97 | 31 | 43 | 1 | 43 | 3.19 | - 0.93 | 1.20 | 0 | 7 | 15 | 11 | 5 | n. | Shelby A. Robert. |
| Kenton. | Obion. | 325 | 11 | 66.5 | - 1.7 | 93 | 31 | 37 | 7 | 36 | 2.17 | - 2.10 | 1.00 | 0 | 5 | 17 | 6 | 8 | s. | George S. Martin. |
| Memphis. | Shelby. | 409 | 42 | 70.0 | - 0.7 | 91 | 31 | 51 | 12 | 25 | 2.97 | - 1.37 | 2.51 | 0 | 5 | 15 | 5 | 11 | sw. | U. S. Weather Bureau. |
| Milan. | Gibson. | 440 | 31 | 68.0 | 0.0 | 92 | 30 | 46 | 1 | 42 | 1.63 | - 2.75 | 0.42 | 0 | 6 | 14 | 4 | 13 | s. | Orlando F. Cantwell. |
| Trenton. | do. | 345 | 33 | 67.6 | + 0.3 | 94 | 31 | 46 | 1 | 37 | 1.57 | - 2.37 | 1.06 | 0 | 3 | 20 | 4 | 7 | sw. | F. L. Dennison. |
| Union City. | Obion. | 360 | 18 | 68.8 | + 0.8 | 100 | 31 | 45 | 12 | 40 | 1.49 | - 3.44 | 0.35 | 0 | 8 | 14 | 9 | 8 | s. | J. R. Oliver. |
| Arkansas. | | | | | | | | | | | | | | | | | | | | |
| Alicia. | Lawrence. | 8 | 68.2 | | | 95 | 31 | 43 | 12 | 40 | 2.27 | | 1.10 | 0 | 7 | 23 | 6 | 2 | s. | McCullough & Guelck. |
| Amity. | Clark. | 250 | 21 | 70.2 | - 0.1 | 95 | 31 | 49 | 24 | 35 | 4.19 | - 2.38 | 2.00 | 0 | 5 | 17 | 7 | 7 | sw. | J. W. Campbell. |
| Arkansas City. | Desha. | 145 | 28 | | | | | | | | 4.15 | + 0.66 | 1.40 | 0 | 4 | | | | | W. C. Blundell. |
| Batesville. | Independence. | 271 | 13 | | | | | | | | 1.06 | | 0.32 | 0 | 10 | | | | | Lella I. Teter. |
| Bee Branch. | Van Buren. | 20 | 69.6 | + 0.9 | 97 | 31 | 43 | 8 | 40 | 1.25 | - 3.80 | 0.50 | 0 | 3 | 18 | 7 | 6 | | | J. E. Scanlan. |
| Bentonville. | Benton. | 1,303 | 8 | 66.9 | + 0.5 | 91 | 31 | 41 | 7 | 32 | 2.86 | - 2.36 | 1.45 | 0 | 14 | 16 | 10 | 5 | s. | U. S. Weather Bureau. |
| Bergman. | Boone. | 1,324 | 15 | 67.9 | + 3.7 | 96 | 31 | 39 | 7 | 42 | 2.19 | - 3.60 | 1.20 | 0 | 3 | 21 | 5 | 5 | ne. | John T. Maxey. |
| Black Rock. | Lawrence. | 259 | 9 | | | | | | | | 1.09 | | 0.55 | 0 | 8 | | | | | S. J. Howe. |
| Brinkley. | Monroe. | 226 | 30 | 69.6 | - 0.3 | 95 | 31 | 45 | 12 | 39 | 4.01 | - 0.81 | 1.86 | 0 | 5 | 17 | 3 | 11 | s. | H. L. D. Whitson. |
| Calico Rock. | Izard. | 361 | 9 | | | | | | | | 0.30 | | 0.20 | 0 | 2 | | | | | W. H. Stoner. |
| Camden. | Orachita. | 158 | 28 | 70.2 | - 1.5 | 95 | 31 | 46 | 24 | 40 | 4.78 | + 0.17 | 1.50 | 0 | 11 | | | | | R. H. Quarterman. |
| Centerpoint. | Howard. | 470 | 13 | 70.8 | - 0.1 | 92 | 17 | 50 | 7 | 31 | 6.55 | - 2.23 | 2.60 | 0 | 8 | 16 | 7 | 8 | se. | J. M. Huddleston. |
| Clarendon. | Monroe. | 171 | 9 | | | | | | | | 2.74 | | 1.35 | 0 | 5 | | | | | Mrs. B. E. Bishop. |
| Conway. | Faulkner. | 309 | 30 | 69.6 | 0.0 | 95 | 31 | 45 | 8 | 35 | 2.65 | - 2.72 | 0.76 | 0 | 8 | 19 | 8 | 4 | se. | G. H. Burr. |
| Corning. | Clay. | 293 | 20 | | | | | | | | 0.87 | - 3.72 | 0.50 | 0 | 8 | 10 | 12 | 9 | s. | Jacob Brobst. |
| Dardanelle. | Yell. | 330 | 27 | 68.6 | | 92 | 31 | 47 | 8 | 35 | 3.96 | - 1.75 | 1.03 | 0 | 9 | | | | | A. Bernard. |
| Dodd City. | Marion. | 1,175 | 32 | 68.1 | + 0.5 | 95 | 31 | 36 | 7 | 44 | 2.68 | - 3.24 | 2.20 | 0 | 3 | 19 | 7 | 5 | sw. | Neal Dodd. |
| Dumas. | Desha. | 2 | | | | | | | | | 3.10 | | 1.68 | 0 | 5 | 23 | 7 | 1 | | Lawrence Waterman. |
| Dutton. | Madison. | 11 | 63.44 | - 0.7 | | | | 35 | 7 | | 3.04 | - 4.02 | 1.40 | 0 | 5 | 16 | 9 | 6 | s. | J. M. Ricketts. |
| Eldorado. | Union. | 265 | 9 | 69.4 | | 92 | 31 | 46 | 24 | 33 | 5.06 | | 1.35 | 0 | 8 | | | | | Jeff. J. Babb. |
| England. | Lonoke. | 6 | 70.6 | | | 94 | 31 | 48 | 8 | 37 | 3.55 | | 2.50 | 0 | 6 | | | | | J. C. Chenault. |
| Eureka Springs. | Carroll. | 1,465 | 12 | 69.3 | + 2.9 | 96 | 30 | 41 | 7 | 45 | 4.48 | - 2.20 | 2.18 | 0 | 6 | 11 | 17 | 3 | sw. | George W. Nichols. |
| Fayetteville. | Washington. | 1,451 | 26 | 67.6 | + 1.1 | 93 | 31 | 42 | 7 | 37 | 4.40 | - 1.86 | 1.75 | 0 | 8 | 12 | 18 | 1 | sw. | University of Arkansas. |
| Fordyce. | Dallas. | 3 | 69.6 | | | 91 | 31 | 44 | 24 | 34 | 3.86 | | 1.92 | 0 | 6 | 13 | 12 | 6 | n. | J. B. Atkinson. |
| Fort Smith. | Sebastian. | 481 | 31 | 70.4 | + 0.7 | 95 | 31 | 49 | 7 | 29 | 2.99 | - 1.92 | 0.74 | 0 | 11 | 14 | 8 | 9 | e. | U. S. Weather Bureau. |
| Fraziers Turnpike. | Pulaski. | 2 | | | | | | | | | | | | | | | | | | R. E. Brown. |
| Fulton. | Hempstead. | 264 | 26 | | | | | | | | 4.62 | - 0.21 | 2.40 | 0 | 5 | | | | | B. C. Logan. |
| Georgetown. | White. | 200 | 1 | | | | | | | | 1.98 | | 1.84 | 0 | 4 | | | | | Wm. N. Harris. |
| Hardy. | Sharp. | 643 | 15 | 68.0 | + 1.6 | 98 | 30 | 41 | 7 | 41 | 1.21 | - 5.07 | 0.43 | 0 | 11 | 9 | 9 | 13 | sw. | C. A. Caywood. |
| Helena. | Phillips. | 182 | 41 | | | | | | | | 1.83 | - 2.82 | 1.06 | 0 | 6 | | | | | J. B. McLeod. |
| Hot Springs. | Garland. | 600 | 22 | 71.0 | + 2.0 | 94 | 31 | 44 | 9 | 43 | 5.84 | - 0.49 | 2.70 | 0 | 6 | 26 | 3 | 2 | sw. | Army and Navy Gen. Hosp. |
| Huttig. | Union. | 85 | 6 | 70.1 | | 95 | 31 | 47 | 12 | 41 | 6.45 | | 1.62 | 0 | 9 | 13 | 15 | 3 | | C. A. Berry. |
| Jonesboro. | Craighead. | 345 | 18 | 69.7 | - 1.4 | 99 | 31 | 43 | 12 | 41 | 0.80 | - 3.53 | 0.45 | 0 | 3 | 11 | 18 | 2 | s. | Benedictine Sisters. |
| Junction. | Union. | 20 | 70.6 | - 1.2 | 96 | 31 | 47 | 24 | 38 | 5.37 | + 1.73 | 1.08 | 0 | 8 | 18 | 4 | 9 | sw. | J. A. Lowderback. | |
| Lake Farm. | Jefferson. | 195 | 6 | 71.2 | | 95 | 31 | 49 | 23 | 36 | 3.48 | | 1.20 | 0 | 6 | | | | | G. L. Spellman. |
| Lewisville. | Lafayette. | 262 | 10 | 71.3 | | 94 | 31 | 50 | 24 | 38 | 5.70 | | 2.00 | 0 | 9 | | | | | F. W. Youmans. |
| Little Rock. | Pulaski. | 357 | 34 | 70.0 | - 0.4 | 91 | 31 | 52 | 7 | 26 | 2.34 | - 2.76 | 0.81 | 0 | 10 | 18 | 7 | 6 | s. | U. S. Weather Bureau. |
| Lutherville. | Johnson. | 775 | 14 | 67.4 | - 0.1 | 91 | 31 | 42 | 8 | 37 | 5.07 | - 1.05 | 1.27 | 0 | 11 | 15 | 13 | 3 | sw. | W. R. Hentschel. |
| Malvern. | Hot Springs. | 277 | 29 | 70.2 | - 2.7 | 94 | 31 | 46 | 8 | 37 | 2.90 | - 2.73 | 1.00 | 0 | 10 | | | | | Miss L. C. Smith. |
| Mammoth Spring. | Fulton. | 512 | 8 | 63.8 | | 99 | 31 | 40 | 7 | 44 | 1.27 | | 0.70 | 0 | 6 | 10 | 19 | 2 | | F. Wallick. |
| Marked Tree. | Poinsett. | 229 | 8 | | | | | | | | | | | | | | | | | Chapman & Dewey Lumber Co. |
| Mena. | Polk. | 1,100 | 26 | 68.6 | - 1.2 | 90 | 31 | 49 | 8 | 27 | | | 0.60 | 0 | | 16 | 6 | 9 | sw. | R. R. St. John. |
| Newport. | Jackson. | 231 | 30 | 70.3 | + 0.2 | 98 | 31 | 45 | 8 | 39 | 1.30 | - 2.95 | 0.60 | 0 | 6 | | | | | Chas. Sprigg. |
| Pine Bluff. | Jefferson. | 215 | 28 | 69.8 | - 2.2 | 93 | 31 | 47 | 24 | 36 | 2.64 | - 2.16 | 0.82 | 0 | 8 | | | | | J. H. Hudson. |
| Pocahontas. | Randolph. | 21 | 70.6 | + 2.2 | 97 | 31 | 46 | 7 | 39 | 1 | 0.90 | - 4.14 | 0.37 | 0 | 3 | 14 | 11 | 6 | | Benedictine Sisters. |
| Pond. | Benton. | 1,250 | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Observers. | | |
|---------------------|-----------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|-----------------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------|--------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | Number of overcast days. | Prevailing wind direction. |
| Mississippi—Contd. | | | | | | | | | | | | | | | | | | | | |
| Coffeeville..... | Yalobusha..... | 241 | 4 | | | | | | | | 3.65 | | 1.34 | 0 | 9 | 14 | 13 | 4 | s. | C. K. Bailey. |
| Corinth..... | Alcorn..... | 470 | 25 | 69.8 | + 1.0 | 98 | 31 | 47 | 12 | 38 | 2.63 | - 1.20 | 1.60 | 0 | 6 | 19 | 1 | 11 | se. | M. A. Candler. |
| Crenshaw..... | Panola..... | 187 | 4 | | | | | | | | | | | | | | | | | Rodgers Woollard. |
| Duck Hill..... | Montgomery..... | 14 | 70.2 | - 0.3 | 94 | 31 | 48 | 24 | 39 | 2.14 | - 2.10 | 1.30 | 0 | 5 | 13 | 14 | 4 | s. | W. H. Eskridge. | |
| Edwards..... | Hinds..... | 222 | 26 | 72.6 | - 1.1 | 93 | 31 | 52 ^b | 17 | 36 ^b | 5.15 | + 0.92 | 2.80 | 0 | 9 | 20 | 10 | 1 | s. | E. F. Farr. |
| Fayette..... | Jefferson..... | 120 | 12 | 70.2 | - 2.5 | 90 | 19 | 46 | 24 | 36 | 3.41 | - 0.67 | 1.82 | 0 | 8 | 17 | 13 | 1 | sw. | T. L. Darden. |
| Greenville..... | Washington..... | 126 | 26 | 71.6 | - 0.4 | 94 | 31 | 50 | 24 | 33 | 2.66 | - 1.30 | 1.25 | 0 | 7 | 24 | 0 | 7 | sw. | M. G. Harbison. |
| Greenwood..... | Lefflore..... | 140 | 13 | 71.0 | - 0.8 | 97 | 31 | 49 | 24 | 37 | 2.82 | - 3.65 | 1.00 | 0 | 7 | 22 | 2 | 7 | se. | J. H. Stephen. |
| Grenada..... | Grenada..... | 124 | 4 | | | | | | | | 3.75 | | 1.25 | 0 | 4 | | | | | W. F. Hallam. |
| Hernando..... | De Soto..... | 391 | 25 | 69.2 | - 0.9 | 93 | 31 | 46 | 12 | 34 | 2.78 | - 2.00 | 1.60 | 0 | 6 | 19 | 7 | 5 | s. | W. F. Wood. |
| Hickory Flat..... | Benton..... | 435 | 4 | | | | | | | | 3.23 | | 1.10 | 0 | 6 | 23 | 5 | 3 | n. | H. Powell. |
| Holly Springs..... | Marshall..... | 600 | 26 | 68.6 | - 1.5 | 91 | 31 | 48 | 12 | 28 | 3.37 | - 0.63 | 1.93 | 0 | 7 | 18 | 1 | 12 | se. | L. B. Mosby. |
| Kosciusko..... | Attala..... | 430 | 23 | 70.2 | - 0.6 | 94 | 31 | 50 | 17 | 35 | 5.29 | + 1.80 | 2.34 | 0 | 7 | 23 | 5 | 3 | ne. | E. L. Lucas. |
| Malone..... | Marshall..... | 4 | | | | | | | | | 2.40 | | 1.12 | 0 | 7 | | | | | M. J. Wilkins. |
| Moorhead..... | Sunflower..... | 206 | 25 | 70.0 | | 94 | 30† | 44 | 24 | 39 | 2.11 | | 0.62 | 0 | 9 | 19 | 7 | 5 | s. | H. S. Gove. |
| Natchez..... | Adams..... | 206 | 25 | 70.3 | - 3.3 | 91 | 31 | 49 | 24 | 36 | 4.40 | + 0.28 | 1.25 | 0 | 8 | 21 | 2 | 8 | se. | Catherine Garrity. |
| Pontotoc..... | Pontotoc..... | 475 | 24 | 68.9 | - 0.5 | 90 | 31 | 49 | 1 | 34 | 3.74 | + 0.17 | 1.20 | 0 | 6 | 14 | 16 | 1 | nw. | Dr. C. W. Bolton. |
| Port Gibson..... | Claitor..... | 116 | 25 | 70.8 | - 1.2 | 92 | 31 | 47 | 24 | 36 | 2.92 | - 0.42 | 1.23 | 0 | 7 | 21 | 3 | 7 | e. | H. H. Crisler. |
| Rosedale..... | Bolivar..... | 143 | 5 | 71.0 | | 95 | 31 | 48 | 24 | 33 | 4.05 | | 1.25 | 0 | 4 | 18 | 3 | 10 | sw. | T. J. Murray. |
| Shoccoe..... | Madison..... | 10 | 12 | 71.4 | - 0.6 | 94 | 31 | 52 | 24 | 32 | 4.83 | - 1.31 | 1.35 | 0 | 7 | 19 | 7 | 5 | s. | J. C. Pitchford. |
| Suffolk..... | Franklin..... | 12 | 71.2 | - 1.1 | 91 | 30† | 47 | 24 | 34 | 4.30 | - 1.45 | 1.30 | 0 | 9 | 15 | 10 | 6 | s. | Prof. Geo. H. Kent. | |
| Swan Lake..... | Tallahatchie..... | 148 | 8 | | | | | | | | 4.03 | | 1.15 | 0 | 7 | 18 | 7 | 6 | e. | Dr. S. D. Robinson. |
| Tchula..... | Holmes..... | 130 | 8 | | | | | | | | 1.83 | | 1.14 | 0 | 6 | 12 | 18 | 1 | s. | Dr. M. P. Winkler. |
| University..... | Lafayette..... | 502 | 20 | 69.0 | - 1.3 | 93 | 31 | 48 | 12 | 33 | 3.07 | - 0.85 | 0.85 | 0 | 5 | 22 | 3 | 6 | s. | Prof. J. H. Dorr. |
| Utica..... | Hinds..... | 287 | 9 | 71.7 | | 93 | 19† | 48 | 24 | 36 | 2.43 | | 1.28 | 0 | 5 | 15 | 4 | 12 | ----- | Dr. J. B. Dudley. |
| Vicksburg..... | Warren..... | 247 | 42 | 71.8 | - 1.1 | 90 | 31 | 54 | 24 | 24 | 1.30 | - 2.96 | 1.06 | 0 | 7 | 16 | 7 | 8 | se. | U. S. Weather Bureau. |
| Water Valley..... | Yalobusha..... | 300 | 24 | 68.8 | - 1.9 | 92 | 31 | 48 | 12† | 39 | 2.90 | - 1.67 | 1.10 | 0 | 7 | 20 | 5 | 6 | sw. | Miss Loula Erikson. |
| Woodville..... | Wilkinson..... | 560 | 20 | 71.2 | - 3.0 | 88 | 19† | 49 | 24 | 27 | 3.44 | - 1.07 | 1.62 | 0 | 8 | 17 | 13 | 1 | ----- | James E. Lee. |
| Yazoo City..... | Yazoo..... | 116 | 19 | 71.4 | - 2.5 | 93 | 31 | 47 | 24 | 34 | 2.28 | - 1.31 | 0.68 | 0 | 6 | 24 | 0 | 7 | se. | W. H. Courts. |
| Louisiana. | | | | | | | | | | | | | | | | | | | | |
| Abbeville..... | Vermilion..... | 18 | 25 | 74.4 | - 0.2 | 93 | 31 | 55 | 24 | 30 | 4.25 | + 0.25 | 1.84 | 0 | 12 | 17 | 10 | 4 | n. | Hon. C. J. Edwards. |
| Alexandria..... | Rapides..... | 77 | 25 | 72.3 | - 1.2 | 96 | 31 | 51 | 6 | 31 | 4.43 | - 0.61 | 1.40 | 0 | 9 | 18 | 3 | 10 | s. | Miss Nellie Graham. |
| Amite..... | Tangipahoa..... | 130 | 25 | 71.7 | - 2.1 | 93 | 31 | 50 | 24 | 34 | 4.50 | - 0.67 | 2.00 | 0 | 4 | 14 | 16 | 1 | n. | Miss L. M. Wentz. |
| Antioch..... | Claitor..... | 1 | 25 | 70.6 | | 95 | 9 | 46 | 24 | 35 ^b | 4.72 | | 1.54 | 0 | 13 | 22 | 0 | 9 | s. | W. L. Anglin. |
| Avoca Island..... | St. Mary..... | 9 | 2 | | | | | | | | 3.74 | | 2.25 | 0 | 4 | 24 | 0 | 7 | ----- | J. N. Pharr & Sons. |
| Baton Rouge..... | E. Baton Rouge..... | 60 | 25 | 74.2 | 0.0 | 91 | 31 | 54 | 24 | 27 | 5.91 | + 1.15 | 3.12 | 0 | 8 | 21 | 5 | 5 | se. | Elmo M. Bott. |
| Burnside..... | Ascension..... | 20 | 13 | 72.4 | - 1.2 | 91 | 18† | 46 | 10† | 43 | 6.20 | - 0.23 | 2.65 | 0 | 9 | 14 | 10 | 7 | se. | C. S. McFarland. |
| Burrwood..... | Plaquemines..... | 1 | 25 | 72.6 | - 2.2 | 85 | 30† | 61 | 17 | 20 | 1.45 | - 1.41 | 0.98 | 0 | 4 | 25 | 4 | 2 | ne. | Graham Myers. |
| Cades..... | St. Martin..... | 3 | 74.4 | | | 92 | 31 | 56 | 24 | 26 | 4.79 | | 2.15 | 0 | 6 | 25 | 5 | 1 | s. | C. E. Smedes. |
| Calhoun..... | Ouachita..... | 180 | 25 | 68.9 | - 3.1 | 89 | 31 | 47 | 24 | 33 | 5.51 | + 1.24 | 0.75 | 0 | 12 | 17 | 9 | 5 | sw. | North Louisiana Exp. Sta. |
| Cameron..... | Cameron..... | 6 | 20 | 69.5 | - 5.5 | 86 | 31 | 52 | 23 | 28 | 4.68 | + 0.98 | 2.26 | 0 | 3 | 13 | 15 | 3 | s. | Adolph Bruckert. |
| Carrollton..... | Orleans..... | 7 | 2 | 73.6 | | 92 | 31 | 50 | 8 | 30 | 7.17 | | 3.15 | 0 | 7 | 29 | 1 | 1 | ----- | Loyola College. |
| Cheneyville..... | Rapides..... | 67 | 25 | 74.8 | + 1.3 | 94 | 31 | 55 | 1 | 32 | 2.61 | - 1.92 | 1.00 | 0 | 5 | 17 | 6 | 8 | e. | Walter I. Tanner. |
| Cinclare..... | West Baton Rouge..... | 3 | 73.4 | | | 91 | 31 | 53 | 23 | 31 | 5.52 | | 3.40 | 0 | 6 | 17 | 8 | 6 | se. | Cinclare Cent. Factory. |
| Clinton..... | East Feliciana..... | 113 | 25 | 71.0 | - 2.6 | 89 | 31 | 51 | 24 | 30 | 4.69 | + 0.55 | 2.55 | 0 | 6 | 20 | 0 | 11 | n. | John A. White. |
| Collinston..... | Morehouse..... | 65 | 12 | 72.3 | - 0.5 | 95 | 31 | 48 | 24 | 37 | 3.69 | - 1.59 | 1.32 | 0 | 8 | 16 | 7 | 8 | s. | J. B. Rely. |
| Covington..... | St. Tammany..... | 39 | 21 | 72.6 | - 1.7 | 90 | 10† | 50 | 24 | 34 | 5.22 | + 0.83 | 1.62 | 0 | 8 | 20 | 3 | 8 | w. | Cecile P. Champagne. |
| Dodson..... | Winn..... | 4 | 71.5 | | | 92 | 31 | 50 | 24 | 33 | 3.74 | | 1.46 | 0 | 7 | 15 | 10 | 6 | s. | J. P. Lucas. |
| Donaldsonville..... | Ascension..... | 33 | 25 | 75.0 | + 0.4 | 93 | 18† | 55 | 24 | 32 | 8.98 | + 4.68 | 2.80 | 0 | 10 | 26 | 1 | 4 | n. | John F. Park. |
| Dutchtown..... | do..... | 2 | | | | | | | | | 7.31 | | 2.48 | 0 | 9 | 21 | 6 | 4 | ----- | Picard & Geismar (Ltd.). |
| Farmerville..... | Union..... | 177 | 25 | 69.4 | - 2.6 | 88 | 17 | 51 | 22 | 30† | | | 1.90 | 0 | 4 | 13 | 18 | 0 | se. | W. P. Chandler. |
| Florence..... | Vermilion..... | 10 | 21 | 75.2 | | 89 | 31 | 57 | 23 | 23 | 2.99 | | 1.90 | 0 | 4 | 13 | 18 | 0 | se. | White Lake Land Co. |
| Franklin..... | St. Mary..... | 10 | 21 | 74.2 | - 1.5 | 92 | 29† | 55 | 25 | 30 | 5.33 | + 1.27 | 3.40 | 0 | 8 | 8 | 16 | 7 | s. | Miss J. M. Bonney. |
| Franklinton..... | Washington..... | 3 | 72.2 | | | 95 | 31 | 43 | 24 | 37 | 8.12 | | 2.85 | 0 | 7 | 9 | 8 | 14 | ----- | Herbert R. Babington. |
| Grand Cane..... | De Soto..... | 302 | 19 | 65.2 | - 7.0 | 87 | 28 | 40 | 24 | 40 | 1.97 | - 2.05 | 0.61 | 0 | 6 | 14 | 5 | 12 | s. | G. Foster Provost. |
| Grand Coteau..... | St. Landry..... | 93 | 25 | 73.2 | - 1.1 | 91 | 18† | 52 | 24 | 30 | 5.87 | + 1.18 | 2.32 | 0 | 6 | 18 | 6 | 7 | n. | St. Charles College. |
| Hammond..... | Tangipahoa..... | 44 | 21 | 72.9 | - 1.3 | 92 | 31 | 52 | 24 | 32 | 10.10 | + 7.02 | 4.90 | 0 | 7 | 20 | 8 | 3 | sw. | C. C. Carr. |
| Houma..... | Terrebonne..... | 25 | 25 | 74.6 | - 0.6 | 89 | 10 | 54 | 8 | 30 ^a | 2.75 | - 0.83 | 0.90 | 0 | 7 | 22 | 0 | 9 | s. | Prof. John M. Foote. |
| Jena..... | La Salle..... | 2 | | | | | | | | | | | | 0 | | | | | | C. Estus Wilbanks. |
| Jennings..... | Calcasieu..... | 30 | 16 | 74.0 | + 0.3 | 96 | 18 | 55 | 24 | 32 | 2.65 | - 2.18 | 1.38 | 0 | 6 | 11 | 15 | 5 | se. | J. F. Buch. |
| Laark..... | Morehouse..... | 1 | 67.8 | | | 94 | 31 | 56 | 23 | 43 | 3.95 | | 1.90 | 0 | 4 | 23 | 2 | 6 | e. | P. M. Donely. |
| Lafayette..... | Lafayette..... | 36 | 25 | 73.0 | - 1.4 | 89 | 29 | 54 | 24 | 30 | 2.94 | - 1.19 | 1.35 | 0 | 7 | 10 | 18 | 3 | e. | J. J. Davidson. |
| Lake Charles..... | Calcasieu..... | 22 | 25 | 71.8 | + 1.7 | 95 | 31 | 50 | 26 | 38 | 4.47 | + 0.51 | 2.00 | 0 | 5 | 23 | 1 | 7 | s. | George Boudreaux. |
| Lakeside..... | Cameron..... | 9 | 12 | 76.0 | + 1.5 | 92 | 31 | 59 | 17 | 25 | 4.40 | - 0.66 | 1.90 | 0 | 3 | 29 | 1 | 1 | se. | Miss L. J. Nunemacher. |
| La Rose (near)..... | Lafourche..... | 2 | 71.6 | | | 91 | 3 | 40 | 1 | 49 | 2.50 | | 1.90 | 0 | 3 | 8 | 17 | 6 | se. | Louisiana Delta Farms Co. |
| Lawrence..... | Plaquemines..... | 6 | 22 | 76.0 | + 0.3 | 96 | 29 | 56 | 24 | 31 | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 7, Lower Mississippi Valley.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | | |
|---------------------------------|-------------------|---------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|--------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | 31 | | |
| Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buena Vista..... | Arkansas..... | | | T. | | | | | T. | .05 | | | | | | | | | | | | | | | | | | T. | T. | | | | | 0.05 | |
| Caihan..... | Big Sandy..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canon City\|\|..... | Arkansas..... | | | | .19 | | | | .73 | .13 | | | | | | | | | .05 | | | | | | | | | | | .03 | | .05 | | 1.18 | |
| Colorado Springs..... | Fountain..... | | .11 | | T. | | .07 | .05 | .48 | T. | | | | | .05 | | | .02 | .03 | | .05 | | | .01 | .01 | | | .13 | .20 | .01 | .09 | | .05 | 1.13 | |
| Cripple Creek..... | Oil Creek..... | | | | | | | | T. | .04 | | | | | | | | | | | | | | | | | | | | | | | | 0.13 | |
| Cucharas Camps..... | Cucharas..... | | .11 | | | | | | .03 | .13 | | | | | | | | | | | | T. | .02 | .01 | | .04 | .41 | .39 | | | | .44 | | .06 | 1.50 |
| Eads..... | Big Sandy..... | | | | | | | | | | | | | | T. | | | | | | | .60 | | .10 | .40 | | | | | | | .10 | | 1.20 | |
| Fairview..... | St. Charles..... | | .14 | | | | | | 1.12 | | | .21 | | | | | | | | | | | | | | | .35 | | | | | | | 1.82 | |
| Fremont Experiment Station..... | Fountain..... | T. | .12 | T. | | T. | | .77 | .08 | | | | | .08 | | | | .20 | | .04 | .06 | T. | .02 | | .05 | T. | .05 | .05 | | | .28 | | 1.80 | | |
| Garfield..... | Little Ark..... | | | | | | | | T. | T. | | | | | .07 | | | | .02 | | T. | .03 | | | .03 | | | | .08 | .02 | | .02 | | 0.27 | |
| Hamp..... | Big Sandy..... | T. | | | | | | | .65 | .07 | | | | | | | | | | | | .03 | .09 | | | | | | .03 | | | | | 0.87 | |
| Hermit Lake..... | Grape Creek..... | | .28 | | | | | | .40 | | | | | | | | | | | | | | | | | | | | .18 | .12 | | | | 0.98 | |
| Hoehne (near)..... | Purgatoire..... | | .02 | | | | | | .03 | | | | | | | | | .06 | .05 | | | T. | | | | | | | T. | .04 | | .23 | T. | 0.43 | |
| Holly..... | Arkansas..... | | | | | | | | .22 | .10 | | | | | | | | | | | | .03 | | .41 | | | | | | | | | | 0.76 | |
| La Junta..... | do..... | | | T. | | | T. | | | | | | | | | | | .06 | T. | | .35 | .02 | | | .15 | | .20 | .47 | | .38 | | | | 1.63 | |
| Lake Moraine..... | Fountain..... | | .11 | | | | | | 1.14 | | | | | | .09 | | | T. | .07 | | .05 | | | .12 | .09 | .09 | .09 | T. | | | .10 | | 1.95 | | |
| Lamar..... | Arkansas..... | | | | | | | | .27 | | | | | | | | | | | | | | | | | | | | | | | | | 0.68 | |
| Las Animas..... | do..... | | | | | | | | | | | | | | | | | .03 | | .36 | .09 | .17 | | | .21 | | .12 | | | | .02 | | 1.00 | | |
| La Veta Pass..... | Cucharas..... | | | | | | | | | | | | | | | | | | | | | | | | | .08 | T. | T. | | .10 | T. | .11 | T. | 0.29 | |
| Leadville..... | Arkansas..... | T. | T. | | | | T. | T. | .01 | | | | | | .12 | | T. | .02 | | T. | T. | .05 | | | T. | T. | T. | .17 | .07 | | T. | | 0.20 | | |
| Limon (near)..... | Big Sandy..... | | | | | | | | T. | .60 | | | | | T. | | | | | | | .08 | | | | | | | | | | T. | | 0.92 | |
| Madrid..... | Purgatoire..... | | .08 | | | | | | .10 | .01 | | | | | | | | .08 | .07 | | | | | | | | .08 | .09 | | | .16 | | 0.67 | | |
| Marshall Pass..... | Arkansas..... | | | | | | | | | | | | | | | | | | | .17 | | | | | .15 | | .08 | .15 | | | | | 0.47 | | |
| Maxey..... | do..... | | .15 | | | | | | .50 | | | | | | | | | | | | | | | | | | | | | | | .50 | | 1.15 | |
| Monument..... | Fountain..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Lake..... | Purgatoire..... | | .26 | | | | | | .07 | | | | | | | | | | | | .19 | | | | | | | | | | .61 | | 1.13 | | |
| Pueblo..... | Arkansas..... | | .01 | | | | | T. | 1.23 | | | | | | T. | | | .06 | | | | .02 | T. | | | | | | T. | | .11 | T. | | 1.43 | |
| Rocky Ford (near)..... | do..... | | | | | | | | .20 | | | | | | | | | | | | | | .22 | | | | | | | | | | | 0.42 | |
| St. Elmo..... | Chalk Creek..... | | | | | | | | .08 | .02 | | | | | .21 | | | | | | | | | | | .03 | | | | .34 | | | | 0.70 | |
| Salida\|\|..... | Arkansas..... | | | | | | | | .04 | .03 | | | | | | | | | | | | | | | | | | | T. | .08 | | | | 0.15 | |
| Santa Clara..... | Huerfano..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sheridan Lake..... | Arkansas..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stonewall..... | Purgatoire..... | | .19 | | | | | T. | .04 | | | | | | | | | T. | | | | | | | | | | | | .13 | | .40 | T. | 0.76 | |
| Trinidad..... | do..... | | .07 | | T. | T. | | | .11 | .04 | | | | | | | | .13 | .37 | | | | | | T. | T. | T. | .01 | T. | .06 | | .23 | .15 | 1.19 | |
| Two Buttes..... | Arkansas..... | | .18 | | .24 | .01 | | | .02 | .09 | | | | | | | | | | | | .41 | | | T. | T. | T. | | | | | | | 0.95 | |
| Two Buttes Reservoir..... | do..... | | .19 | | | .08 | | | T. | T. | | | | | | | | | | | | .38 | | | | | | | | | | .31 | | 0.98 | |
| Victor..... | Oil Creek..... | | | | | | | | T. | .58 | | | | | | | | | | | | .24 | | | | .12 | | .15 | T. | | | .10 | | 1.19 | |
| Vilas..... | Cimmaron..... | | | | | | | | | .35 | | | | | | | | | | | | | .10 | | | | | | | | | .05 | | 0.50 | |
| Westcliffe..... | Grape Creek..... | | .04 | | | | | | .11 | .40 | | | | | | | | | | | | | | | | | | | | | | | | 0.53 | |
| Windfeld..... | Clear Creek..... | T. | | | | | T. | T. | .40 | | | | | T. | .05 | | | T. | T. | T. | T. | | | | | T. | T. | T. | T. | | | | 0.05 | | |
| Woodman Sanatorium..... | Fountain..... | | .07 | | | | | | .04 | .33 | .05 | T. | | | .30 | | | | .02 | T. | T. | | .05 | | .03 | .05 | | | | .02 | | .03 | | 0.99 | |
| Wortman..... | Arkansas..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yoder..... | do..... | | .01 | | | T. | | | T. | .18 | T. | | | | | | | T. | | | | .18 | | | | | | .05 | | | | | | 0.22 | |
| New Mexico. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abbott..... | Canadian..... | | | | | | T. | | .18 | | | | | | | | | | | | | | | T. | | | | .17 | | | | | | 0.35 | |
| Albert..... | do..... | | .24 | .05 | | | | .24 | .18 | .02 | | | | | | | | | | | | | T. | | | | | | | | T. | T. | | 0.53 | |
| Aurora..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | .08 | | | .12 | .21 | T. | | | | 1.56 | |
| Bell Ranch..... | do..... | | | | | | | | T. | | | | | | | | | | | | | .07 | | | T. | | | T. | .30 | .02 | | .39 | .54 | 0.53 | |
| Black Lake..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | .17 | | | .10 | .10 | | .04 | .07 | | 0.48 | |
| Cabeza..... | do..... | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.50 | |
| Campana..... | do..... | | | | | | T. | | | | | | | | | | | | | | | | | | .07 | | | | | | | | | 0.40 | |
| Chacon..... | do..... | | | | .42 | | | | T. | | | | | | | | | | | | | | | | | | * | | | | | | | 0.90 | |
| Cimarron (near)..... | do..... | T. | | | .02 | | .25 | .03 | T. | .28 | T. | .21 | | | | | | | | | | | | | .01 | | | .12 | .20 | .05 | | .23 | .14 | 0.95 | |
| Clayton..... | do..... | | | T. | | | | | T. | .28 | T. | .21 | | | | | | | | | | .66 | | | .01 | | | .02 | .20 | | | .09 | T. | 1.24 | |
| Clovis..... | Red Canadian..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cuervo..... | do..... | | | | | | | | .20 | | | | | | | | | | | | | | | | | | | | | | | | .81 | | 0.61 |
| Dawson..... | do..... | T. | | | | | T. | | .04 | | | | | | | | | | | | | | | | .02 | | | .01 | .15 | T. | T. | .16 | .08 | 0.46 | |
| Elizabethtown..... | do..... | | | | | | | | .10 | | | | | | | | | | | | | | | | | | | | | | | | .25 | | 0.45 |
| Folsom..... | Dry Cimarron..... | | .07 | | T. | | T. | | .18 | T. | | | | | | | | | | | | | | | | | | .10 | T. | | .04 | | | 0.46 | |
| Fort Union..... | Canadian..... | | | | | | | | .05 | .23 | | | | | | | | | | | | | | | | | | | | | .20 | .20 | | 1.49 | |
| Hayden..... | do..... | | .06 | | | | | | .30 | .19 | | | | | | | | | | | | | | | | | | | | | .28 | | | 0.45 | |
| Hoosier Ranch..... | do..... | | | | | | | | .18 | .17 | | .14 | | | | | | | | | | | | | | | | .22 | .70 | .13 | .02 | .01 | | .01 | 1.88 |
| Johnsons Park..... | do..... | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | 0.48 | |
| Johnsons Ranch..... | do..... | | | | | .03 | .08 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.45 | |
| Kappus..... | do..... | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.40 | |
| Lake Alice..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | * | 1.40 | | | | | 1.40 | |
| Logan..... | do..... | | | | | | | .09 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.25 | |
| Lykins (near)..... | Red Canadian..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Maxwell (near)..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.53 | |
| Melrose..... | Red Canadian..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .25 | | 0.25 |
| Miami Ranch..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.61 | |
| Mills (near)..... | do..... | | | | | | | | .13 | T. | | | | | | | | | | | | | | | | | | | | | | | .06 | .05 | 0.44 |
| Montoya..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 7—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | |
|-------------------|------------|---------------|------|------|------|------|-----|-----|-----|------|------|------|------|------|-----|------|------|-----|-----|------|------|------|------|------|----|-----|-----|-----|-----|-----|-----|-----|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Texas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amarillo | Canadian | | .08 | .01 | .67 | | | | .11 | .49 | | T. | | T. | | | | | .02 | T. | | | | | | | T. | | .01 | | .04 | | | 1.41 |
| Archer City | Red | | | .57 | 3.25 | 1.21 | | | | | | | | | | T. | | | | | | T. | | | | | | | | | | | 4.05 | |
| Arthur City II | do | | | | .19 | .05 | T. | | | | | T. | | | | 3.80 | 2.60 | | | | | .23 | 1.54 | | | | | | | | | | 9.41 | |
| Bonham | do | | | | 2.10 | .65 | | | | | | | | | | 1.04 | .75 | .20 | | | | | | | | | | | | | | | 4.74 | |
| | Canadian | | | .10 | .38 | .02 | | | | | .03 | 2.03 | | | .16 | .07 | .03 | | | | | | | | | | | | | | | | 2.82 | |
| Childress | Red | | | | | | | | | | | | | | .55 | | | | | 1.04 | | | | | | | | | T. | | | | 1.59 | |
| Chillicothe | do | | | | 1.00 | .06 | | | | | | | | | | | .02 | | | | .03 | | | | | | | | | | | | 1.11 | |
| Clarendon II | do | | | | .25 | .11 | | | | .10 | .12 | .17 | | | .50 | | | | | | .23 | | | | | | | T. | | | | | 1.48 | |
| Clarksville | do | | | | .75 | .11 | .78 | | | | | .72 | | | | | 1.90 | | | | | | .82 | | | | | | | | | | 4.97 | |
| Claude | do | | .40 | | | | | | | | 1.20 | | | | | | | | | T. | | | | | | | | | | | | | 2.10 | |
| Dalhart II | Canadian | | | .39 | .15 | | | | | | .18 | .43 | 1.20 | | | | | | | | | | | | | | | | | | | | 2.35 | |
| Denison II | Red | | | .32 | 1.40 | .50 | | | | | | | | | | 1.80 | .40 | | | | | | .10 | | | | | | | | | | 4.52 | |
| Finley II | do | | | | | .65 | .50 | | | | | | | | | | 1.00 | | | | | | 1.00 | | | | | | | | | | 3.15 | |
| Henrietta II | do | | | 3.45 | .17 | | | | | | | | .03 | | | | | | | | | | | | | | | | | | | | 3.65 | |
| Jefferson II | do | | | | | .75 | .10 | .06 | | | | | | | | | .60 | | | | | | .50 | 1.20 | | | | | | | | | 3.21 | |
| Memphis | do | | .50 | | | | | | | | .38 | | | | .25 | | | | | | 1.00 | | | | | | | | | | | | 2.13 | |
| Miami | Canadian | | .32 | .42 | | .02 | | | | .05 | .45 | T. | | | .30 | | | | | | .13 | | | | | | | | | | | | 1.69 | |
| Ochiltree | do | | .62 | | 1.42 | | | | .07 | .33 | | | | | | | | | | | | | | | | | | | | | | | 2.44 | |
| Parchandle | do | | | 1.00 | | | | .60 | .65 | .65 | | | | | | | | | | | | | | | | | | | | | | | 2.90 | |
| Paris II | Red | | | | .05 | 1.23 | | | | | | .15 | | | | 1.57 | 2.47 | | | | | T. | 1.13 | T. | | | | | | | | | 6.60 | |
| Plemons | C nadian | T. | .33 | .72 | | | | .11 | .03 | .50 | .12 | | | | | | | | | T. | | | | | | | | | | .06 | | | 1.87 | |
| Quannah II | Red | | | | .60 | | | | | | | | | | | | | | | | .40 | | | | | | | | | | | | 1.00 | |
| Ringo Crossing II | do | | | .32 | .50 | .08 | | | | | | | | | | 1.40 | | | | | | | 1.10 | | | | | | | | | | 3.40 | |
| Romero | Canadian | | | | | | T. | | | .50 | | | | | | | | | | | | | | | | | | | | | T. | T. | 0.67 | |
| Sherman II | Red | | | .70 | .80 | .17 | | | | | | | | | | 15 | 2.07 | | | | | | .17 | | | | | | .17 | | | | 4.06 | |
| Stratford | Canadian | | | 1.07 | .03 | .05 | | | .17 | .13 | | | | | | | | | | | | | | | | | .04 | | .01 | | | | 1.50 | |
| Tulia | Red | | | .37 | | | | .06 | .11 | | .10 | | | | .03 | .53 | | | | | .26 | | | .01 | | | | T. | | T. | | T. | 0.84 | |
| Wellington | do | | .20 | .15 | | | | | | | .10 | | | | | | | | | .64 | | | | | | | | | | | | | 1.62 | |
| Wichita Falls | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Winfield | do | | | T. | .48 | | .44 | | | | | .15 | | | | 1.50 | | | | | | 3.25 | T. | | | | | | | | | | 5.82 | |
| Kansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alden | Arkansas | | | .30 | .20 | | | | | | .60 | .02 | | .10 | .12 | | | | | | .39 | T. | .08 | | | | | .07 | | .03 | | | 1.91 | |
| Anthony | do | T. | | .12 | .18 | .10 | | | | | .02 | .06 | | | | | | | | | T. | T. | T. | | | | | | | | | | 0.50 | |
| Ashland | Cimarron | | | .15 | .22 | T. | | | | | .18 | | | | | | | | | | .03 | .09 | | | | .02 | | T. | | | | | 0.69 | |
| Burlington | Neosho | .06 | * | 2.26 | .68 | | | | | | | .88 | | | | | | | | | 1.03 | | | | | | | | | | | | 4.91 | |
| Chanute | do | | | | 2.04 | T. | | T. | T. | .13 | .67 | | | | | | | | | | | .42 | T. | | | | | | | | | | 3.26 | |
| Cimarron | Cimarron | | | .39 | | | | | | .04 | | | | | T. | | | | | | | .01 | | | | | | | | | | | 0.63 | |
| Coffeyville | Verdigris | .28 | .03 | 2.23 | .14 | | | | | | .70 | .18 | | | | | .03 | | .80 | | .50 | | | | T. | .02 | | .19 | | | | | 4.91 | |
| Coldwater | Cimarron | | .07 | .68 | .56 | | | | | T. | .10 | | | | | | | | | | T. | .14 | | | | | | | | | | | 1.65 | |
| Columbus | Neosho | T. | .05 | .95 | .99 | | | | | T. | .22 | .46 | | | T. | .29 | .01 | .33 | | | T. | .28 | | | | T. | T. | | | | | | 3.58 | |
| Coolidge | Arkansas | | | | | | | | | .38 | | | | | | | | | | | | | | | | | | | | | | | 0.38 | |
| Cottonwood Falls | Neosho | T. | .41 | .34 | .92 | | | | T. | | .27 | | | | | .43 | | | | .02 | 1.98 | | | | | | | | | | | | 4.37 | |
| Council Grove | do | T. | .67 | .08 | 1.97 | | | | | .13 | .28 | 1.00 | | | .02 | | | | | .18 | .34 | .01 | | | | | | | | | | | 4.40 | |
| Cunningham | Arkansas | | .60 | .35 | 1.07 | | | | T. | .32 | .28 | T. | | | | | | | T. | | | | | | | | | T. | | | | | 2.62 | |
| Dodge City | do | | .56 | .01 | | | | | | .07 | .01 | | | .01 | .01 | | | | | .08 | | .01 | | | | | | | | | T. | .01 | 0.81 | |
| El Dorado | do | T. | .37 | .63 | .15 | | | | T. | .10 | | | | | | .02 | | | | | T. | | | | | | .02 | | .02 | | | | 1.32 | |
| Ellinwood | do | T. | 1.16 | .69 | .02 | | | | T. | .03 | T. | .12 | .26 | | | .05 | | | | | .27 | | | .02 | | | | | | | | | 2.64 | |
| Emporia | Neosho | | .06 | 1.03 | 1.08 | .73 | | | | .27 | | 1.12 | | | | | | | .16 | | .03 | 2.92 | | | | | | | | | .01 | | 7.45 | |
| Eureka | Verdigris | .18 | .90 | 1.35 | .42 | | | | | .05 | | | | | | | | | | | .03 | .09 | | | | | | | | | | | 3.02 | |
| Fall River | do | | .25 | | | | | | | .36 | .34 | | | | | | | | | | | .06 | | | | | | | | | | | 1.01 | |
| Fargo | Cimarron | | .10 | .02 | 1.58 | .39 | T. | T. | T. | .17 | T. | .11 | | | T. | | | T. | T. | | .06 | 1.40 | | | | | | .01 | | | T. | | 3.84 | |
| Fredonia | Verdigris | | | | | | | | | .17 | | | | | | | | | | | | | | | | | | | | | | | 1.42 | |
| Garden City | Arkansas | | | .15 | .67 | T. | | | | 1.20 | T. | .31 | T. | | T. | | | | .05 | | | .17 | | | T. | | | | | | | | 1.13 | |
| Greensburg | do | T. | | | | | | | | | .16 | | | | | .05 | | | | | | | | | | | | | | | | | 2.39 | |
| Grenola | Verdigris | T. | | | 1.94 | .05 | | | | | .27 | | | | | .30 | | | | | .13 | .23 | | | | | | .06 | | | | | 3.14 | |
| Howard | do | .19 | .03 | 1.80 | .32 | T. | | | | | .27 | | | | | | | | | | | | | | | | | | | | | | 3.14 | |
| Hugoton | Cimarron | T. | | | | | .03 | .01 | T. | .42 | .13 | | | | | | | | T. | .02 | | .23 | | | | | | | | | | T. | 1.07 | |
| Hutchinson | Arkansas | | .71 | .42 | 1.15 | | | | | .74 | .10 | .10 | | | | | | | .20 | | .12 | | .23 | | | | | T. | | | | | 3.54 | |
| Independence | Verdigris | .02 | .02 | 2.81 | 1.88 | .01 | | | | .01 | .70 | | | | .09 | | .02 | | .06 | | .23 | | 1.24 | | | | | | .01 | | | | 7.10 | |
| Iola | Neosho | .07 | .32 | 1.35 | .02 | | | | | .01 | .01 | .90 | | | | | | | | | .65 | .02 | | | | | | | | | | | 3.35 | |
| Irene | Arkansas | T. | | | | | | .04 | | .30 | .10 | | | | T. | | | | | | | .03 | | | | | | | | | | T. | 0.47 | |
| Jetmore | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kingman | do | | 1.23 | .59 | .98 | | | | .05 | | 1.55 | .28 | | | .15 | | | | | | | T. | | | | | | | | | | | 5.18 | |
| La Crosse | do | | .29 | | | | | | | .70 | .14 | .01 | | | | | | | | | .15 | | .04 | | | | T. | | .35 | .18 | | | 1.54 | |
| Lakin | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.10 | |
| Larned | do | | .21 | .11 | | | | T. | | | .08 | .08 | | | .23 | | | | | T. | .14 | T. | | | | .08 | .01 | | | | T. | T. | 0.90 | |
| Lebo | Neosho | .09 | .70 | .66 | .80 | | | | | | .06 | | | | | | | | | | .23 | 3.10 | | | | | | | | | | | 6.54 | |
| Le Roy | do | | .05 | 2.20 | .67 | .08 | | | | T. | | | T. | 1.16 | | | | | | | | | | | | | | | | | | | 4.78 | |
| Liberal | Cimarron | | | .35 | .01 | | | | | .10 | .35 | | | | | | | | | .11 | | .25 | .03 | | | | | | | | | | 1.20 | |
| Macksville | Arkansas | | | | .22 | .48 | | | | | .09 | | | | | .14 | | | | | | .02 | | | | | | | | | | | 0.99 | |
| McPherson | do | | | | .39 | .28 | .06 | | | | .58 | .03 | .46 | | | .62 | | | | | .20 | | .10 | | | | | | | | | | 2.28 | |
| Madison | Verdigris | .15 | | | 1.63 | 1.05 | | | | | .25 | | | | | .65 | | | | | .24 | | | | | </ | | | | | | | | |

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|-----------------|------------|---------------|-----|------|------|-----|-----|----|------|-----|-----|-----|-----|------|------|-----|----|-----|------|-----|------|------|------|----|----|----|-----|----|----|----|----|------|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Oklahoma—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ardmore \|\| | Red. | | | | .90 | .95 | .05 | | | | | | | | 2.10 | .06 | | | | .02 | .04 | | .03 | | | | | | | | | 4.13 | |
| Bartlesville \|\| | Arkansas. | | .08 | 1.27 | 1.69 | .83 | | | | | .05 | .18 | .04 | | .16 | | | | | | .18 | .03 | | | | | | | | | | 4.53 | |
| Beaver. | Canadian. | | .25 | .78 | | | | | .20 | .50 | | | | | | | | | | | .10 | T. | | | | | | | | | | 1.83 | |
| Cache. | Red. | | | 1.64 | | | | | | .40 | | | .25 | | | | | | | | .40 | | | | | | | | | | | 2.69 | |
| Calvin. | Canadian. | | | .24 | .84 | .10 | | | | | .18 | | | | .87 | .04 | | | 1.20 | | | .26 | | | | | | | | | | 3.73 | |
| Chandler \|\|. | do. | | | 1.75 | | .80 | | | | | .70 | T. | | | T. | | | | | T. | | .30 | | | | | | | | | | 3.55 | |
| Chattanooga. | Red. | | | 2.10 | .17 | | | | R 27 | .05 | | | | 1.70 | | | | | | .25 | 1.60 | | T. | | | | | | | | | 7.14 | |
| Chickasha \|\|. | Washita. | | | 1.70 | T. | .03 | | | | T. | | | | | .40 | | | | | | .57 | | | | | | | | | | | 2.70 | |
| Cloud Chief. | Arkansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.8 | |
| Cleveland. | Washita. | | | | | | | | T. | T. | | | | | | | | | | | .39 | | | | | | | | | | | | 1.8 |
| Cloud Chief. | Canadian. | | .81 | .53 | .10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.99 |
| Crawford. | Red. | | | .43 | 1.52 | .04 | | | | | | | | | 2.23 | .21 | | | | .53 | | .03 | | | | | | | | | | 0.49 | |
| Durant \|\|. | do. | | T. | .49 | | | | | | T. | T. | | | T. | | | | | | | | | | | | | | | | | | 0.49 | |
| Eldorado. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.56 |
| Elk City. | Canadian. | | T. | 1.01 | .02 | | | | | .10 | | | | | | | | | | | .43 | | | | | | | | | | | 1.54 | |
| El Reno. | Cimarron. | | T. | .55 | .67 | .12 | | | | | | .04 | | | | .04 | | | | | .12 | | | | | | | | | | | 2.05 | |
| Enid \|\|. | Red. | | | .80 | T. | | | | .10 | | | | | .35 | | | | | | | .80 | | | | | | | | | | | 3.75 | |
| Erick. | Canadian. | | | .39 | 1.50 | | | | | .11 | | T. | | | .79 | | | | | .52 | | .40 | .04 | | | | | | | | | 4.49 | |
| Enfala. | Arkansas. | | T. | .39 | 1.59 | | | | | .64 | .10 | | | | | | | .22 | .35 | | | 1.13 | T. | | | T. | .07 | | | | | 5.18 | |
| Fairland. | do. | | T. | .11 | .88 | .97 | | | .05 | | | T. | .60 | | .95 | .09 | | | 1.07 | | | .40 | .08 | | | | | | | | | 2.44 | |
| Fort Gibson. | Red. | | .26 | 1.09 | | | | | | | | | | .09 | | | | | | | 1.00 | | | | | | | | | | | 2.13 | |
| Frederick. | Canadian. | | .03 | 1.50 | .10 | | | T. | | T. | | | | | | | | | | | .50 | | | | | | | | | | | 1.32 | |
| Geary. | do. | | .10 | .90 | | .06 | | | | .13 | | | | | T. | | | | | .13 | | .25 | 1.00 | | | | | | | | | 4.80 | |
| Goodwell. | Cimarron. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 7—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|------------------------|------------------|---------------|-----|-----|------|------|------|-----|------|-----|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|-----|----|-----|-----|-----|------|-----|------|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Kentucky. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blandville..... | Mississippi.. | | | | | | .03 | | | | T. | .03 | | | | | .26 | | | | T. | T. | .08 | | | | | .25 | | | | T. | | 0.65 |
| Tennessee. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arlington \|\| | Mississippi.. | | | | | | T. | | | | | | T. | | | | .47 | T. | | | | | .10 | 1.60 | .15 | | | T. | .60 | | | | 2.92 | |
| Bolivar \|\| | do. | | | | | | .56 | | | | | | T. | | | | .02 | .51 | | | | | T. | .61 | .50 | | | | | | | | 2.20 | |
| Brownsville \|\| | do. | | | | | | T. | | | | | | T. | | | | .02 | .04 | | | | .01 | .12 | .58 | .20 | | | | .03 | | | | 4.00 | |
| Covington \|\| | do. | | | | | | | | | | | | | | | | | | | | | .05 | .50 | .95 | .20 | | | | .10 | | | | 1.88 | |
| Dyersburg \|\| | do. | | | | | | | | | | | | | | | | T. | .60 | | | | | .10 | 1.55 | .10 | | | | | 1.00 | | | 3.35 | |
| Jackson..... | do. | | | | | | .15 | | | | | .08 | | | | | T. | .20 | | | | T. | .30 | 1.20 | | | | | | 1.20 | | | 3.19 | |
| Kenton..... | do. | | | | | T. | | | | | | T. | | | | T. | .20 | .14 | | | | .23 | .50 | 1.00 | | | | T. | .01 | | | 2.17 | | |
| Memphis..... | do. | | | | | | T. | | | | | | | | | | .01 | .09 | | | | | 2.51 | .35 | | | | .01 | | | | 2.97 | | |
| Milan \|\| | do. | | | | | | T. | | | | | | T. | | | | .05 | T. | .27 | | .42 | | T. | .35 | .36 | | | T. | .18 | | | T. | 1.63 | |
| Trenton..... | do. | | | | | | | | | | | | | | | | | | | | | T. | .60 | .46 | | | | .51 | | | | | 1.57 | |
| Union City..... | do. | | | | | | .01 | | | | | | | | | | .34 | .35 | | | | .05 | .16 | .24 | | | | .19 | .15 | | | | 1.49 | |
| Arkansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alicia..... | White..... | | | | T. | T. | | | | | | .25 | .10 | | | | 1.10 | | .20 | .10 | .12 | | .40 | | | | | | | | | | 2.27 | |
| Amity..... | Ouachita..... | | | | | .58 | | | | | | .26 | | | | | 1.20 | .15 | | | | | 2.00 | | | | | | | | | | 4.19 | |
| Arkansas City \|\| | Mississippi.. | | | | | | | .49 | | | | | | | | | 1.40 | | | | | | 1.02 | 1.24 | | | | | | | | | 4.15 | |
| Batesville \|\| | White..... | | | | | .14 | .08 | | | | | | | .04 | | | .04 | .02 | T. | .06 | | .22 | .32 | .12 | | | | T. | .02 | | | | 1.06 | |
| Bee Branch..... | Arkansas..... | | | | | .45 | T. | | | | | | | | | | T. | T. | | .50 | | | T. | .30 | | | | | | | | | 1.25 | |
| Bentonville..... | do. | | .05 | .64 | .83 | .06 | | | | .24 | .04 | T. | | | .02 | .04 | .07 | .52 | .16 | | .03 | .12 | | | | | | .04 | | | | | 2.86 | |
| Bergman..... | White..... | | T. | | | .33 | .66 | | | | | | | | | | | | | | | | | | | | | | | | | | 2.19 | |
| Black Rock \|\| | do. | | | | | .05 | | .04 | | | | | | | | | | | | | | | .02 | .55 | | | | | | | | | 1.09 | |
| Brinkley \|\| | do. | | | | | | | .36 | | | | | | .02 | | | | | | | | | | | | | | | | .06 | | | 4.01 | |
| Calico Rock \|\| | do. | | | | | .20 | .10 | | | | | T. | | | | | | | | | | | | | | | | | | | | | 0.30 | |
| Camden \|\| | Ouachita..... | | | | | .27 | .36 | .17 | | | | .01 | .43 | | | | .04 | 1.50 | | .09 | | | .34 | 1.25 | .32 | | | | | | | | 4.78 | |
| Centerpoint..... | Red..... | | T. | .87 | .53 | .25 | | | | | | .80 | | | .30 | 1.00 | | .20 | | T. | T. | 2.60 | | | | | | | | | | | 6.55 | |
| Clarendon \|\| | White..... | | | | | | | T. | 1.35 | | T. | T. | | | | | .10 | .11 | | | | | .84 | .34 | | | | | | | | | 2.74 | |
| Conway..... | Arkansas..... | | | | | .76 | .37 | | | | | .01 | | | | | .02 | .16 | | | .41 | | .20 | .72 | | | | | | | | | 2.65 | |
| Corning..... | White..... | | | .02 | T. | .04 | | | | | | .04 | .01 | | | | T. | .50 | | | | | | .10 | | | | | | | .04 | | 0.87 | |
| Dardanelle \|\| | Arkansas..... | | | | | .84 | .45 | .06 | | | | .12 | T. | | | | .05 | .60 | | | | | .08 | 1.03 | | | | | | | | | 3.96 | |
| Dodd City..... | White..... | | | | | .38 | .10 | | | | | | | | | | | | 2.20 | | | | | | | | | | | | | | 2.68 | |
| Dumas..... | Arkansas..... | | | | | | .40 | | | | | | | | | | .20 | .30 | | | | | | | | | | | | | | | 3.10 | |
| Dutton..... | White..... | | T. | | .59 | 1.40 | | | | .33 | | | | | | | T. | .35 | | T. | T. | | .37 | | | | | | | | | | 3.04 | |
| Eldorado \|\| | Ouachita..... | | | | | .15 | 1.35 | .62 | | | | T. | .41 | | | | 1.00 | | | | | | .24 | .96 | .33 | | | | | | | | 5.06 | |
| England \|\| | Arkansas..... | | | | | | .06 | .60 | | | | | | | | | | | .02 | T. | 2.50 | .02 | .35 | | | | | | | | | | 3.55 | |
| Eureka Springs..... | White..... | | T. | | | .25 | 1.65 | | | | .11 | .19 | T. | | | | | | | | | | .10 | | | | | | | | | | 4.48 | |
| Fayetteville..... | do. | | | | | 1.75 | .37 | | | | .11 | | | | | | .71 | | | | | | .20 | .03 | | | | .04 | | | | | 4.40 | |
| Fordyce..... | Ouachita..... | | | | | .47 | | | | .60 | .07 | | | | | | 1.07 | .85 | | | | | .80 | | | | | | | | | | 3.86 | |
| Fort Smith..... | Arkansas..... | | .12 | .06 | .73 | .02 | | | | | .37 | .05 | T. | | | .38 | .39 | | .34 | .06 | | T. | .47 | | | | | | | | | | 2.99 | |
| Fraziers Turnpike..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.62 | |
| Fulton \|\| | Red..... | | | | | .56 | .28 | | | | | 1.10 | | | | | | .28 | | | | | | | | | | | | | | | 1.98 | |
| Georgetown..... | White..... | | | | | .04 | | T. | | | | T. | | | | | .04 | | | | | | .06 | 1.84 | | | | | | | | | 1.21 | |
| Hardy..... | do. | | | .04 | .03 | T. | | | | .13 | .06 | .13 | | | | | T. | .43 | | .21 | | .05 | .03 | .06 | | | .04 | | | | | | 1.83 | |
| Helena \|\| | Mississippi.. | | | | | | | .01 | | | | | .15 | | | | .40 | | | | | | .16 | 1.06 | .05 | | | | | | | | 1.83 | |
| Hot Springs..... | Ouachita..... | | | | | | .97 | | | | | 2.70 | | | | .27 | .34 | | .60 | | | .96 | | | | | | | | | | | 5.84 | |
| Huttig..... | do. | | | | | .58 | 1.62 | .98 | | | | .22 | | | | .20 | .67 | .29 | | | | | .68 | 1.21 | | | | | | | | | 6.45 | |
| Jonesboro..... | White..... | | | | | | | | | .51 | | | | | | | | .15 | | | | | .20 | .45 | | | | | | | | | 0.80 | |
| Junction..... | Ouachita..... | | | T. | .89 | .31 | | | | | .64 | | | | | | .92 | | | | | .21 | .81 | 1.08 | | | | | | | | | 5.37 | |
| Lake Farm..... | Arkansas..... | | | | | .95 | .48 | | | | .10 | | | | | | .50 | .25 | | | | | 1.20 | | | | | | | | | | 3.48 | |
| Lewisville..... | Red..... | | T. | | | 2.00 | .06 | | | | .40 | | | | | | .65 | .17 | | | .04 | .25 | 1.75 | .38 | | | | | | | | | 5.70 | |
| Little Rock..... | Arkansas..... | | | | .07 | .09 | .81 | | | | .02 | | | | | | .14 | .03 | | .16 | .38 | | .63 | .01 | | | | | | | | | 2.34 | |
| Lutherville..... | do. | | | .03 | .85 | .35 | | | | | 1.27 | | | | | | .11 | .44 | | .69 | .12 | .14 | .30 | .77 | | | | | | | | | 5.07 | |
| Malvern \|\| | Ouachita..... | | | | .40 | .25 | .30 | | | | 1.00 | .10 | | | | | .12 | .18 | .10 | | | T. | .10 | .35 | T. | | | | | | | | 2.90 | |
| Mammoth Spring..... | White..... | | | | .02 | .03 | | | | | | | .18 | | | | | .70 | | | | | | | | | | .06 | | | | | 1.27 | |
| Marked Tree \|\| | St. Francis..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mena..... | Ouachita..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.30 | |
| Newport \|\| | White..... | | | | | .30 | .08 | | | | | | | | | | | | | | | | .12 | .60 | | | | | | | | | 2.64 | |
| Pine Bluff \|\| | Arkansas..... | | | | | .10 | .20 | .42 | | | | .14 | | | | | .82 | | | .10 | .10 | | .57 | .37 | .02 | | | | | | | | 0.90 | |
| Pocahontas..... | White..... | | | | | | | | | | | | | | | | .16 | .37 | | | | | .37 | | | | | | | | | | 4.30 | |
| Pond..... | Arkansas..... | | .05 | .06 | 2.42 | .03 | | | | .12 | .12 | | | | | | .06 | .16 | | 1.14 | | | .10 | .03 | | | | .01 | | | | | 4.69 | |
| Portland \|\| | Ouachita..... | | | | | | .88 | | | | .35 | T. | | | | | 1.85 | | | | | | | | | | | | | | | | 5.95 | |
| Prescott \|\| | do. | | | | | .60 | .88 | | | | .79 | .38 | | | | | .30 | | | | | .18 | .22 | 2.50 | | | | | | | | | 3.39 | |
| Rogers..... | Arkansas..... | | T. | | | 1.10 | .98 | | | | .30 | | | | | | | | | | | | .11 | | | | | | | | | | 3.84 | |
| Springbank \|\| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

TABLE 2.—Daily precipitation for May, 1913. District No. 7—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|-------------------|-------------|---------------|-----|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|-----|------|-----|------|------|------|----|----|----|-----|----|----|----|----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Mississippi—Con. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Natchez II | Mississippi | | | | .64 | .20 | | | .12 | | | .30 | | | | | T. | .43 | | T. | .55 | | 1.25 | .91 | | | | | | | | | 4.40 | |
| Pontotoc | Yazoo | | | | .33 | | | | | | | | | | .35 | .46 | | .40 | | T. | | 1.00 | 1.20 | | | | | | | | | | 3.74 | |
| Port Gibson II | Mississippi | | | | | .19 | .05 | | | | T. | T. | | 1.23 | | | .10 | | T. | .22 | | .63 | .50 | | | | | | | | | | 2.92 | |
| Rosedale II | Yazoo | | | | | .80 | | | | | | | | | | 1.25 | | | | | | .95 | 1.05 | | | | | | | | | | 4.05 | |
| Shoeco | Big Black | | | | 1.28 | T. | .28 | .42 | | .80 | | | | | T. | .14 | | T. | | | | .50 | 1.35 | | | | | | | | | | 4.83 | |
| Suffolk | Mississippi | | | | | .27 | .02 | | T. | | .08 | | .81 | | .77 | .05 | | | .23 | | | .77 | 1.30 | | | | | | | | | | 4.30 | |
| Swan Lake II | Yazoo | | | | | .24 | | | | | | .28 | .66 | | | .63 | | | | | | 1.15 | .59 | | | | | .48 | | | | | 4.03 | |
| Tohula | do. | | | | | .28 | | | .06 | | .04 | | | | .10 | .21 | | | T. | | | 1.14 | | | | | | | | | | | 1.83 | |
| University | do. | | | | | .12 | | | | T. | | | | | .75 | .68 | | | | | | .85 | .67 | | | | | | | | | | 3.07 | |
| Utica | Mississippi | | | | | .18 | | | | | T. | .14 | | | T. | .25 | | T. | T. | | | .58 | 1.28 | | | | | | | | | | 2.43 | |
| Vicksburg | do. | | | | .03 | | T. | | | | | T. | | .01 | .03 | .07 | | | | .03 | | .78 | .35 | | | | | | | | | | 1.30 | |
| Water Valley | Yazoo | | | | .15 | | | | | | .25 | | | | .45 | .55 | | | | T. | | .20 | 1.10 | .20 | | T. | | | | | | | 2.90 | |
| Woodville | Mississippi | | | | .31 | .25 | | .38 | | T. | T. | | | | .15 | | .33 | | | | | .30 | 1.62 | .10 | | | | | | | | | 3.44 | |
| Yazoo City II | Yazoo | | | | | .39 | | | T. | T. | | .28 | | | | .34 | .13 | | | | | .46 | .68 | | | | | | | | | | 2.28 | |
| Louisiana. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abbeville | Coast | | | | .01 | .01 | .60 | .24 | .01 | .01 | .01 | | | | | .70 | .15 | | | | .10 | .57 | 1.84 | | | | | | | | | | 4.25 | |
| Alexandria II | Red | | | | T. | .18 | | | | .15 | | 1.15 | | | .52 | 1.40 | .50 | | | T. | .08 | .40 | .05 | | | | | | | | | | 4.43 | |
| Amite II | Coast | | | | | | .80 | | | T. | | .20 | | | | | | | | | | 2.00 | 1.50 | | | | | | | | | | | 4.50 |
| Antioch | Red | | | .01 | 1.54 | .27 | .18 | | | .54 | .15 | | | | .04 | .05 | .22 | | | .12 | .60 | .63 | .37 | | | | | | | | | | 4.72 | |
| Avoca Island | Coast | | | | | | .29 | | .40 | | | | | | | | | | | | | 2.25 | .80 | | | | | | | | | | 3.74 | |
| Baton Rouge II | do. | | | | | | .02 | | .12 | | .18 | | | .18 | .60 | | .48 | | | | | | 3.12 | 1.21 | | | | | | | | | 5.91 | |
| Burnside | do. | | | .92 | .05 | .55 | .50 | | | | | | .27 | .50 | .10 | .66 | | | | | | | 2.65 | | | | | | | | | | 6.20 | |
| Burwood | do. | | | | | | .10 | | | | | | | | | .27 | | | | | | | .98 | .10 | | | | | | | | | 1.45 | |
| Cades | do. | | | | | | .40 | | | | .44 | .10 | | | | .60 | | | | | | 1.10 | 2.15 | | | | | | | | | | 4.79 | |
| Calhoun | Onachita | | | .05 | .55 | .80 | .03 | | | .18 | | | | .62 | .52 | .62 | | | .60 | .75 | | .67 | .12 | | | | | | | | | | 5.51 | |
| Cameron | Coast | | | | | | | | | | | | | | | | | | | | | .28 | 2.26 | | | | | | | | | | 4.68 | |
| Carrollton | do. | | | | | | .26 | .90 | | | | .17 | | 2.50 | | | | .19 | | | | | 2.00 | 1.15 | | | | | | | | | 7.17 | |
| Cheneyville II | Red | | | | | | | | | | | .22 | | T. | .10 | | 1.00 | .55 | | | | | .65 | .15 | | | | | | | | | 2.61 | |
| Clinchard | Coast | | | | | | T. | | .35 | | .22 | | | | | | .70 | | | | | | .75 | | | | | | | | | | 5.52 | |
| Clinton II | do. | | | | | T. | .55 | .11 | | .23 | | | | | | T. | | .20 | | | T. | | 2.55 | 1.05 | | | | | | | | | 4.69 | |
| Collinston | Onachita | | .10 | .70 | | .18 | .03 | | | | | | | | 1.32 | .33 | | | | | | .73 | .30 | | | | | | | | | | 3.69 | |
| Covington II | Coast | | | | | | .32 | .07 | | T. | .10 | 1.24 | | | | .36 | | .12 | | | | | 1.39 | .62 | | | | | | | | | 5.22 | |
| Dodson | Red | | | | .12 | | | | | | | | | | | T. | .54 | | .11 | 1.20 | .02 | 1.46 | .27 | | | | | | | | | | 3.74 | |
| Donaldsonville II | Coast | | | | | 1.10 | | 1.80 | | | .35 | .05 | | .40 | .38 | .10 | .15 | | | T. | | 2.80 | 1.85 | | | | | | | | | | 8.98 | |
| Dutchtown II | do. | | | .18 | | 1.45 | .07 | | | | | | | 1.54 | .25 | .50 | .23 | | | | | .61 | 2.48 | | | | | | | | | | 7.31 | |
| Farmerville | Onachita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Florence II | Coast | | | | .03 | | | | | | | | | | | .06 | | | | | | 1.90 | 1.00 | | | | | | | | | | 2.99 | |
| Franklin II | do. | | | | | | T. | .02 | T. | T. | .03 | .19 | | | | | | .15 | .01 | .34 | | 3.40 | 1.19 | | | | | | | | | | 5.33 | |
| Franklinton | Pearl | | | .33 | .96 | | | | T. | .97 | .40 | | | | | .85 | | | | | | 1.76 | 2.85 | | | | | | | | | | 8.12 | |
| Grand Cane II | Red | | | .42 | .15 | | | | | | | | | | | .61 | | | | | | .20 | .53 | .06 | | | | | | | | | 1.97 | |
| Grand Coteau | Coast | | | | .30 | | | | | | .70 | | .30 | | .75 | | | | | | | 1.50 | 2.32 | | | | | | | | | | 5.87 | |
| Hammond | do. | | | | T. | .30 | .90 | | 1.80 | | T. | | | .70 | .10 | .60 | | | | | | 1.10 | 4.90 | | | | | | | | | | 10.10 | |
| Houma II | do. | | | | | .65 | .20 | | | | .35 | | | | | | .10 | .05 | | | | | .90 | .50 | | | | | | | | | 2.75 | |
| Jena | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jennings II | Coast | | | | .08 | .02 | | | | | | | | | | | | 1.04 | | | | .03 | 1.38 | .10 | | | | | | | | | 2.65 | |
| Laark | Red | | | | 1.10 | | | | | | | | | T. | | 1.90 | | | | | | .65 | .30 | | | | | | | | | | 3.95 | |
| Lafayette II | Coast | | | | | T. | | .25 | .05 | | .16 | | | | | .09 | .60 | | | | | 1.35 | .44 | | | | | | | | | | 2.94 | |
| Lake Charles II | do. | | | | .13 | | | .75 | | | | | | | | | 2.00 | .25 | | | | 1.34 | | | | | | | | | | | 4.47 | |
| Lakeside | do. | | | 1.90 | | | | | | | | | | | | 1.20 | | | | | | 1.30 | | | | | | | | | | | 4.40 | |
| La Rose (near) | do. | | | | | | | | | | | | | | | | .40 | .20 | | | | 1.90 | | | | | | | | | | | 2.50 | |
| Lawrence II | do. | | | | | | | .07 | | | | | | | | | | .25 | | | | | 4.32 | .66 | | | | | | | | | 5.30 | |
| Liberty Hill | Red | | | 1.77 | .30 | .27 | | | | | | | | | | .10 | .75 | | .05 | .21 | T. | .38 | .10 | | | | | | | | | | 3.93 | |
| Logansport II | Sabine | | | .20 | .20 | .19 | | | | | | | | | | .78 | | | | | | 1.68 | 2.29 | | | | | | | | | | 5.34 | |
| Melville II | Red | | | | T. | | | | | .20 | | .93 | | | | T. | .46 | | | | | | 4.00 | .30 | | | | | | | | | 5.89 | |
| Minden | do. | | | | T. | .83 | .15 | | | | .05 | | | | .02 | .90 | | .04 | | .25 | .40 | .95 | 1.35 | | | | | | | | | | 4.94 | |
| Monroe II | Onachita | | | .02 | 1.14 | .04 | | | | .88 | | | | | 12 | 1.19 | .04 | .12 | .02 | | | .02 | .94 | .10 | | | | | | | | | 4.63 | |
| Morgan City II | Coast | | | | | | .51 | | .50 | | | | | T. | | | | .02 | T. | .25 | | 1.90 | .95 | | | | | | | | | | 4.29 | |
| Napoleonville | do. | | | | | T. | | | | | .25 | | | | | | | | | | | | | | | | | | | | | | 3.35 | |
| Newellton | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| New Iberia | Coast | | | | | .10 | 1.20 | | | | .25 | .20 | | | | .60 | | | | | | 1.25 | 4.02 | | | | | | | | | | 7.62 | |
| New Orleans (1) | do. | | | | | .81 | 1.06 | | | | .06 | | .78 | | | .89 | | | T. | .55 | | .01 | 3.77 | .01 | | | | | | | | | 7.94 | |
| New Orleans (2) | do. | | | | | .25 | 1.11 | | | | | .16 | 1.84 | | | .14 | | | | | | | 2.57 | .03 | | | | | | | | | 7.29 | |
| New Orleans (3) | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 7, Lower Mississippi Valley.

| Date. | Colorado. | | | | | | New Mexico. | | | | Texas. | | | | Kansas. | | | | | | | | Oklahoma. | | | | | |
|---------|-----------|------|------------|------|---------|------|-------------|------|-----------|------|-----------|------|-----------|------|-------------|------|------------|------|-------|------|----------|------|-----------|------|-------------|------|------------------|------|
| | Lamar. | | Leadville. | | Pueblo. | | Albert. | | Cimarron. | | Amarillo. | | Paris. §§ | | Dodge City. | | Ellenwood. | | Iola. | | Liberal. | | Wichita. | | Ardmore. §§ | | Bartlesville. §§ | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 86 | 49 | 51 | 30 | 69 | 45 | 79 | 51 | 74 | 34 | 81 | 56 | 85 | 56 | 80 | 60 | 85 | 59 | 83 | 60 | 82 | 58 | 82 | 63 | 84 | 57 | 86 | 59 |
| 2..... | 81 | 38 | 42 | 20 | 70 | 40 | 76 | 50 | 69 | 30 | 81 | 59 | 82 | 56 | 79 | 61 | 77 | 63 | 81 | 60 | 88 | 56 | 73 | 64 | 74 | 59 | 82 | 61 |
| 3..... | 73 | 42 | 40 | 14 | 58 | 39 | 74 | 44 | 60 | 35 | 73 | 51 | 73 | 60 | 64 | 43 | 68 | 46 | 69 | 57 | 68 | 44 | 68 | 54 | 68 | 62 | 71 | 66 |
| 4..... | 73 | 40 | 48 | 16 | 60 | 30 | 76 | 46 | 67 | 31 | 60 | 45 | 74 | 64 | 60 | 48 | 60 | 48 | 64 | 57 | 63 | 51 | 64 | 54 | 73 | 57 | 74 | 58 |
| 5..... | 70 | 45 | 54 | 24 | 63 | 44 | 73 | 44 | 68 | 35 | 66 | 46 | 76 | 57 | 66 | 47 | 63 | 49 | 72 | 52 | 68 | 43 | 62 | 52 | 71 | 53 | 74 | 59 |
| 6..... | 70 | 48 | 59 | 23 | 76 | 42 | 75 | 47 | 75 | 43 | 69 | 47 | 70 | 57 | 66 | 43 | 68 | 40 | 68 | 48 | 66 | 44 | 66 | 47 | 72 | 54 | 73 | 54 |
| 7..... | 80 | 50 | 56 | 28 | 81 | 45 | 75 | 39 | 71 | 39 | 76 | 48 | 79 | 50 | 74 | 47 | 71 | 44 | 70 | 44 | 78 | 47 | 69 | 47 | 78 | 47 | 73 | 48 |
| 8..... | 88 | 45 | 56 | 29 | 77 | 44 | 78 | 50 | 70 | 43 | 72 | 52 | 82 | 2 | 83 | 52 | 80 | 55 | 76 | 51 | 84 | 55 | 75 | 57 | 82 | 48 | 80 | 52 |
| 9..... | 78 | 55 | 56 | 28 | 59 | 47 | 74 | 49 | 65 | 33 | 76 | 52 | 86 | 56 | 77 | 54 | 80 | 56 | 80 | 56 | 81 | 54 | 76 | 59 | 85 | 53 | 84 | 56 |
| 10..... | 77 | 48 | 60 | 31 | 70 | 48 | 88 | 49 | 79 | 37 | 74 | 52 | 88 | 60 | 70 | 54 | 71 | 57 | 70 | 48 | 71 | 55 | 70 | 54 | 86 | 55 | 87 | 60 |
| 11..... | 89 | 53 | 59 | 31 | 85 | 49 | 90 | 55 | 81 | 39 | 86 | 54 | 82 | 60 | 84 | 56 | 78 | 48 | 76 | 48 | 84 | 54 | 76 | 48 | 88 | 60 | 78 | 57 |
| 12..... | 85 | 51 | 62 | 29 | 80 | 54 | 90 | 57 | 81 | 47 | 92 | 53 | 91 | 59 | 85 | 60 | 85 | 59 | 80 | 57 | 89 | 54 | 80 | 66 | 92 | 62 | 83 | 64 |
| 13..... | 92 | 49 | 52 | 31 | 81 | 51 | 86 | 53 | 77 | 48 | 89 | 58 | 88 | 60 | 93 | 63 | 90 | 63 | 84 | 64 | 94 | 59 | 87 | 66 | 88 | 66 | 87 | 67 |
| 14..... | 84 | 55 | 47 | 21 | 66 | 47 | 79 | 46 | 68 | 45 | 82 | 56 | 86 | 64 | 81 | 50 | 88 | 63 | 79 | 66 | 86 | 61 | 83 | 65 | 87 | 67 | 82 | 68 |
| 15..... | 79 | 35 | 47 | 21 | 75 | 38 | 81 | 49 | 70 | 34 | 74 | 44 | 78 | 59 | 75 | 39 | 78 | 42 | 75 | 57 | 76 | 42 | 74 | 52 | 72 | 70 | 77 | 61 |
| 16..... | 90 | 43 | 50 | 31 | 83 | 43 | 84 | 45 | 78 | 31 | 86 | 51 | 80 | 58 | 86 | 50 | 86 | 48 | 82 | 53 | 89 | 50 | 81 | 53 | 80 | 55 | 84 | 63 |
| 17..... | 85 | 43 | 56 | 32 | 69 | 50 | 78 | 46 | 75 | 45 | 76 | 55 | 89 | 57 | 74 | 53 | 80 | 56 | 74 | 60 | 78 | 52 | 72 | 58 | 92 | 60 | 90 | 64 |
| 18..... | 90 | 61 | 61 | 29 | 84 | 48 | 82 | 47 | 80 | 47 | 82 | 52 | 88 | 58 | 75 | 48 | 79 | 45 | 79 | 54 | 79 | 51 | 75 | 52 | 86 | 65 | 79 | 60 |
| 19..... | 89 | 60 | 55 | 29 | 81 | 55 | 87 | 52 | 78 | 41 | 88 | 62 | 88 | 64 | 91 | 62 | 92 | 64 | 84 | 64 | 90 | 64 | 86 | 64 | 90 | 65 | 87 | 65 |
| 20..... | 86 | 49 | 45 | 24 | 66 | 52 | 86 | 53 | 75 | 42 | 76 | 52 | 82 | 64 | 71 | 51 | 83 | 56 | 80 | 59 | 74 | 52 | 81 | 55 | 85 | 69 | 83 | 67 |
| 21..... | 75 | 51 | 50 | 28 | 73 | 47 | 76 | 55 | 72 | 45 | 73 | 50 | 88 | 65 | 68 | 48 | 72 | 45 | 65 | 51 | 68 | 49 | 68 | 48 | 76 | 66 | 72 | 58 |
| 22..... | 78 | 45 | 64 | 24 | 73 | 45 | 76 | 50 | 72 | 43 | 77 | 50 | 77 | 64 | 73 | 45 | 70 | 51 | 68 | 46 | 79 | 47 | 69 | 52 | 78 | 56 | 75 | 54 |
| 23..... | 88 | 47 | 65 | 30 | 81 | 46 | 84 | 49 | 80 | 43 | 85 | 48 | 75 | 56 | 81 | 46 | 80 | 40 | 68 | 45 | 83 | 48 | 74 | 46 | 80 | 54 | 74 | 50 |
| 24..... | 94 | 49 | 64 | 34 | 88 | 50 | 90 | 50 | 85 | 39 | 90 | 57 | 78 | 54 | 86 | 54 | 85 | 55 | 77 | 46 | 91 | 46 | 79 | 48 | 85 | 50 | 78 | 53 |
| 25..... | 98 | 54 | 62 | 31 | 90 | 51 | 80 | 64 | 81 | 50 | 94 | 63 | 83 | 55 | 91 | 62 | 94 | 59 | 79 | 60 | 95 | 61 | 88 | 62 | 90 | 60 | 84 | 62 |
| 26..... | 94 | 57 | 69 | 34 | 86 | 53 | 86 | 53 | 80 | 53 | 92 | 67 | 92 | 61 | 89 | 62 | 87 | 59 | 78 | 59 | 91 | 59 | 83 | 64 | 97 | 65 | 89 | 67 |
| 27..... | 94 | 61 | 64 | 35 | 88 | 55 | 81 | 61 | 79 | 45 | 87 | 64 | 87 | 64 | 87 | 60 | 90 | 56 | 86 | 52 | 89 | 62 | 86 | 58 | 93 | 60 | 87 | 58 |
| 28..... | 98 | 61 | 64 | 33 | 89 | 60 | 90 | 61 | 80 | 44 | 93 | 59 | 89 | 60 | 96 | 65 | 95 | 67 | 86 | 60 | 97 | 61 | 90 | 65 | 96 | 60 | 88 | 58 |
| 29..... | 99 | 54 | 69 | 32 | 91 | 54 | 91 | 62 | 83 | 43 | 94 | 64 | 91 | 60 | 98 | 67 | 104 | 63 | 95 | 65 | 98 | 65 | 100 | 67 | 97 | 67 | 95 | 65 |
| 30..... | 96 | 64 | 69 | 34 | 80 | 57 | 82 | 58 | 80 | 42 | 93 | 64 | 92 | 66 | 96 | 66 | 102 | 65 | 97 | 67 | 98 | 67 | 98 | 69 | 98 | 67 | 96 | 66 |
| 31..... | 98 | 55 | 67 | 31 | 88 | 49 | 80 | 59 | 77 | 47 | 92 | 62 | 95 | 64 | 96 | 60 | 101 | 61 | 98 | 66 | 96 | 75 | 97 | 68 | 100 | 63 | 98 | 65 |
| Mns.. | 85.7 | 50.2 | 56.9 | 28.0 | 77.1 | 47.7 | 81.5 | 51.4 | 75.2 | 41.1 | 81.7 | 54.6 | 83.7 | 59.4 | 80.5 | 54.1 | 82.0 | 54.3 | 78.1 | 55.9 | 83.0 | 54.4 | 78.5 | 57.3 | 84.6 | 59.4 | 82.3 | 60.2 |

| Date. | Oklahoma. | | | | | | | | | | | | Missouri. | | | | | | | | Blandville, Ky. | | Jackson, Tenn. | |
|---------|-----------|------|------------|------|------------|------|--------------|------|-----------|------|-----------------|------|-----------|------|-----------------|------|-------------|------|-----------|------|-----------------|-------|----------------|------|
| | Enid. §§ | | McAlester. | | Mangum. §§ | | Muskogee. §§ | | Oklahoma. | | Weatherford. §§ | | Woodward. | | Caruthersville. | | Ironton. §§ | | Lamar. §§ | | Olden. | | Springfield. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 86 | 59 | 86 | 59 | 80 | 53 | 77 | 62 | 82 | 59 | 83 | 59 | 81 | 63 | 84 | 50 | 84 | 41 | 84 | 56 | ..... | ..... | 80 | 58 |
| 2..... | 73 | 62 | 81 | 63 | 77 | 60 | 67 | 62 | 72 | 62 | 74 | 60 | 80 | 66 | 86 | 56 | 83 | 46 | 84 | 59 | ..... | ..... | 79 | 59 |
| 3..... | 78 | 62 | 74 | 65 | 86 | 62 | 77 | 64 | 78 | 56 | 88 | 61 | 70 | 53 | 83 | 59 | 81 | 59 | 84 | 59 | ..... | ..... | 70 | 60 |
| 4..... | 79 | 55 | 73 | 61 | 66 | 56 | 66 | 60 | 70 | 56 | 70 | 57 | 64 | 56 | 79 | 65 | 76 | 61 | 75 | 58 | ..... | ..... | 73 | 60 |
| 5..... | 64 | 54 | 72 | 55 | 74 | 52 | 66 | 56 | 67 | 53 | 67 | 54 | 66 | 53 | 81 | 65 | 79 | 60 | 75 | 58 | ..... | ..... | 73 | 53 |
| 6..... | 61 | 47 | 70 | 57 | 74 | 49 | 72 | 57 | 68 | 50 | 68 | 47 | 67 | 30 | 75 | 59 | 62 | 55 | 69 | 51 | ..... | ..... | 64 | 46 |
| 7..... | 71 | 43 | 75 | 45 | 78 | 45 | 74 | 46 | 71 | 47 | 77 | 42 | 75 | 44 | 76 | 51 | 70 | 38 | 72 | 41 | ..... | ..... | 68 | 47 |
| 8..... | 76 | 51 | 82 | 50 | 85 | 49 | 78 | 53 | 76 | 53 | 83 | 44 | 83 | 54 | 81 | 50 | 80 | 35 | 78 | 53 | ..... | ..... | 75 | 52 |
| 9..... | 82 | 53 | 85 | 55 | 86 | 49 | 80 | 56 | 80 | 60 | 86 | 50 | 83 | 55 | 89 | 55 | 84 | 42 | 83 | 53 | ..... | ..... | 78 | 57 |
| 10..... | 80 | 56 | 86 | 58 | 88 | 60 | 72 | 58 | 80 | 60 | 82 | 55 | 74 | 57 | 74 | 58 | 57 | 44 | 75 | 55 | ..... | ..... | 72 | 53 |
| 11..... | 82 | 55 | 84 | 61 | 90 | 61 | 75 | 62 | 82 | 61 | 89 | 56 | 78 | 62 | 64 | 53 | 56 | 45 | 74 | 53 | ..... | ..... | 65 | 48 |
| 12..... | 82 | 56 | 85 | 60 | 94 | 69 | 83 | 60 | 85 | 63 | 92 | 60 | 89 | 59 | 75 | 46 | 74 | 36 | 83 | 55 | ..... | ..... | 75 | 50 |
| 13..... | 91 | 64 | 87 | 66 | 97 | 59 | 77 | 63 | 86 | 66 | 93 | 63 | 95 | 66 | 86 | 53 | 87 | 45 | 87 | 55 | ..... | ..... | 85 | 60 |
| 14..... | 85 | 65 | 85 | 67 | 91 | 63 | 75 | 66 | 81 | 60 | 89 | 63 | 89 | 64 | 89 | 64 | 87 | 57 | 84 | 66 | ..... | ..... | 82 | 64 |
| 15..... | 72 | 52 | 78 | 58 | 64 | 54 | 77 | 61 | 69 | 55 | 73 | 52 | 78 | 46 | 87 | 66 | 83 | 60 | 77 | 62 | ..... | ..... | 72 | 59 |
| 16..... | 84 | 54 | 84 | 57 | 76 | 54 | 86 | 58 | 77 | 57 | 87 | 53 | 88 | 48 | 75 | 61 | 68 | 56 | 80 | 58 | ..... | ..... | 75 | 59 |
| 17..... | 80 | 61 | 90 | 60 | 78 | 58 | 76 | 62 | 90 | 63 | 96 | 58 | 80 | 59 | 84 | 59 | 83 | 54 | 84 | 58 | ..... | ..... | 80 | 58 |
| 18..... | 88 | 57 | 79 | 57 | 80 | 58 | 82 | 59 | 79 | 60 | 91 | 57 | 81 | 52 | 80 | 67 | 77 | 56 | 79 | 58 | ..... | ..... | 74 | 55 |
| 19..... | 91 | 64 | 87 | 64 | 80 | 58 | 77 | 66 | 84 | 63 | 92 | 58 | 93 | 60 | 87 | 6 | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 7—Continued.

| Date. | Tennessee. | | | | Arkansas. | | | | | | | | | | | | | | | | Mississippi. | | | | | | | |
|----------|------------|------|----------|------|--------------|------|----------------|------|---------------|------|-------------|------|--------|------|--------------|------|----------------|------|---------------|------|--------------|------|----------------|------|-------------|------|----------------|------|
| | Kenton. | | Memphis. | | Bentonville. | | Dardanelle. §§ | | El Dorado. §§ | | Fort Smith. | | Hardy. | | Little Rock. | | Pine Bluff. §§ | | Texarkana. §§ | | Wynne. §§ | | Clarksdale. §§ | | Corinth. §§ | | Greenville. §§ | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 82 | 46 | 82 | 59 | 81 | 58 | 85 | 51 | 85 | 52 | 85 | 60 | 82 | 52 | 82 | 59 | 85 | 49 | 92 | 59 | 85 | 49 | 85 | 51 | 86 | 48 | 84 | 53 |
| 2..... | 83 | 51 | 83 | 65 | 80 | 58 | 84 | 55 | 82 | 55 | 82 | 60 | 82 | 57 | 80 | 62 | 84 | 56 | 86 | 64 | 85 | 56 | 84 | 58 | 86 | 54 | 82 | 55 |
| 3..... | 82 | 54 | 82 | 63 | 70 | 62 | 76 | 58 | 79 | 59 | 74 | 66 | 79 | 61 | 77 | 63 | 82 | 61 | 76 | 60 | 84 | 62 | 83 | 56 | 82 | 56 | 82 | 57 |
| 4..... | 81 | 52 | 78 | 68 | 75 | 58 | 74 | 60 | 77 | 62 | 74 | 66 | 76 | 65 | 76 | 67 | 85 | 65 | 84 | 62 | 76 | 63 | 80 | 63 | 84 | 62 | 80 | 59 |
| 5..... | 80 | 60 | 78 | 67 | 73 | 55 | 72 | 58 | 65 | 59 | 76 | 59 | 76 | 59 | 69 | 59 | 68 | 57 | 76 | 57 | 70 | 67 | 81 | 66 | 86 | 64 | 79 | 68 |
| 6..... | 76 | 59 | 74 | 58 | 64 | 51 | 65 | 58 | 70 | 55 | 67 | 54 | 67 | 52 | 70 | 58 | 75 | 57 | 70 | 59 | 69 | 60 | 80 | 60 | 78 | 60 | 81 | 60 |
| 7..... | 73 | 37 | 72 | 55 | 70 | 41 | 73 | 49 | 75 | 52 | 74 | 49 | 72 | 41 | 71 | 52 | 73 | 54 | 81 | 50 | 75 | 48 | 77 | 57 | 75 | 56 | 78 | 57 |
| 8..... | 47 | 78 | 55 | 77 | 47 | 76 | 47 | 80 | 52 | 77 | 52 | 80 | 46 | 77 | 52 | 80 | 60 | 84 | 60 | 82 | 45 | 84 | 53 | 84 | 51 | 84 | 57 | |
| 9..... | 84 | 49 | 82 | 63 | 80 | 52 | 83 | 52 | 84 | 59 | 82 | 54 | 86 | 48 | 84 | 59 | 87 | 54 | 87 | 56 | 87 | 52 | 87 | 56 | 87 | 58 | 86 | 58 |
| 10..... | 76 | 55 | 77 | 59 | 79 | 56 | 81 | 55 | 84 | 61 | 82 | 59 | 70 | 46 | 79 | 61 | 84 | 60 | 87 | 59 | 79 | 57 | 84 | 57 | 80 | 58 | 87 | 61 |
| 11..... | 65 | 51 | 63 | 54 | 74 | 55 | 71 | 56 | 69 | 61 | 72 | 60 | 62 | 48 | 68 | 56 | 70 | 57 | 75 | 60 | 66 | 59 | 63 | 56 | 67 | 52 | 74 | 62 |
| 12..... | 75 | 44 | 76 | 51 | 76 | 56 | 74 | 54 | 83 | 56 | 76 | 58 | 69 | 43 | 77 | 52 | 81 | 53 | 87 | 55 | 79 | 48 | 80 | 49 | 81 | 47 | 80 | 54 |
| 13..... | 85 | 50 | 84 | 64 | 84 | 61 | 88 | 55 | 85 | 58 | 89 | 62 | 89 | 54 | 86 | 62 | 88 | 55 | 88 | 59 | 91 | 55 | 85 | 58 | 86 | 56 | 89 | 56 |
| 14..... | 86 | 66 | 84 | 67 | 80 | 64 | 84 | 60 | 83 | 62 | 83 | 63 | 86 | 63 | 83 | 65 | 85 | 63 | 88 | 63 | 86 | 65 | 87 | 65 | 84 | 64 | 87 | 64 |
| 15..... | 85 | 66 | 75 | 64 | 78 | 59 | 78 | 61 | 75 | 65 | 78 | 61 | 83 | 62 | 76 | 64 | 72 | 65 | 82 | 65 | 82 | 66 | 77 | 67 | 84 | 64 | 82 | 66 |
| 16..... | 78 | 58 | 71 | 62 | 79 | 58 | 79 | 59 | 79 | 61 | 82 | 59 | 73 | 60 | 79 | 62 | 78 | 62 | 89 | 58 | 78 | 63 | 75 | 62 | 71 | 60 | 78 | 62 |
| 17..... | 81 | 61 | 84 | 62 | 86 | 56 | 87 | 58 | 87 | 60 | 90 | 61 | 83 | 58 | 86 | 61 | 87 | 60 | 93 | 62 | 86 | 56 | 87 | 62 | 84 | 64 | 86 | 61 |
| 18..... | 80 | 60 | 80 | 66 | 77 | 58 | 80 | 62 | 85 | 65 | 78 | 61 | 80 | 59 | 81 | 62 | 86 | 63 | 90 | 60 | 87 | 64 | 85 | 64 | 87 | 58 | 86 | 64 |
| 19..... | 84 | 57 | 86 | 63 | 82 | 62 | 86 | 65 | 88 | 64 | 89 | 65 | 84 | 59 | 87 | 64 | 89 | 63 | 91 | 66 | 88 | 63 | 89 | 62 | 88 | 58 | 90 | 63 |
| 20..... | 85 | 59 | 85 | 69 | 79 | 65 | 84 | 64 | 86 | 65 | 83 | 64 | 86 | 62 | 84 | 67 | 87 | 64 | 87 | 65 | 90 | 66 | 88 | 64 | 88 | 63 | 88 | 65 |
| 21..... | 71 | 65 | 74 | 64 | 68 | 55 | 77 | 66 | 76 | 68 | 76 | 63 | 79 | 67 | 76 | 66 | 71 | 66 | 85 | 67 | 76 | 65 | 79 | 60 | 80 | 64 | 84 | 68 |
| 22..... | 71 | 57 | 68 | 57 | 69 | 51 | 73 | 57 | 66 | 62 | 73 | 59 | 74 | 53 | 72 | 58 | 68 | 63 | 77 | 63 | 65 | 57 | 65 | 64 | 68 | 64 | 71 | 65 |
| 23..... | 60 | 49 | 60 | 53 | 66 | 45 | 71 | 53 | 71 | 51 | 70 | 54 | 66 | 57 | 66 | 56 | 68 | 53 | 74 | 55 | 65 | 50 | 68 | 52 | 62 | 52 | 68 | 56 |
| 24..... | 71 | 52 | 70 | 54 | 75 | 43 | 74 | 48 | 75 | 46 | 74 | 50 | 77 | 44 | 73 | 53 | 75 | 47 | 78 | 49 | 75 | 46 | 73 | 48 | 71 | 54 | 75 | 50 |
| 25..... | 78 | 48 | 79 | 59 | 79 | 53 | 79 | 52 | 80 | 51 | 80 | 56 | 80 | 57 | 78 | 57 | 80 | 51 | 84 | 50 | 81 | 50 | 80 | 51 | 80 | 50 | 81 | 53 |
| 26..... | 87 | 60 | 80 | 64 | 83 | 60 | 87 | 58 | 85 | 55 | 89 | 64 | 89 | 61 | 85 | 62 | 87 | 58 | 89 | 53 | 86 | 60 | 84 | 59 | 79 | 58 | 86 | 61 |
| 27..... | 75 | 55 | 75 | 59 | 80 | 52 | 83 | 57 | 83 | 56 | 85 | 62 | 83 | 54 | 81 | 63 | 84 | 63 | 90 | 59 | 81 | 58 | 81 | 62 | 75 | 58 | 85 | 66 |
| 28..... | 83 | 49 | 83 | 60 | 84 | 52 | 86 | 53 | 86 | 54 | 87 | 58 | 92 | 51 | 86 | 60 | 88 | 53 | 90 | 55 | 88 | 52 | 87 | 54 | 86 | 56 | 87 | 55 |
| 29..... | 86 | 57 | 85 | 69 | 88 | 58 | 90 | 55 | 89 | 58 | 92 | 64 | 92 | 59 | 88 | 62 | 91 | 56 | 93 | 55 | 88 | 57 | 90 | 58 | 91 | 56 | 90 | 58 |
| 30..... | 89 | 67 | 87 | 70 | 89 | 67 | 91 | 66 | 90 | 64 | 92 | 69 | 98 | 69 | 91 | 68 | 91 | 65 | 94 | 64 | 94 | 67 | 91 | 65 | 92 | 63 | 93 | 64 |
| 31..... | 93 | 65 | 91 | 72 | 91 | 64 | 92 | 66 | 92 | 62 | 95 | 69 | 98 | 66 | 91 | 71 | 93 | 65 | 95 | 61 | 93 | 69 | 94 | 66 | 98 | 70 | 94 | 68 |
| Mns..... | 79.5 | 53.5 | 78.3 | 61.8 | 77.9 | 55.9 | 80.1 | 57.0 | 80.5 | 58.4 | 80.8 | 60.0 | 80.4 | 55.6 | 79.3 | 60.7 | 81.4 | 58.3 | 85.2 | 59.0 | 81.2 | 57.8 | 81.7 | 59.2 | 81.6 | 58.0 | 83.1 | 60.2 |

| Date. | Mississippi. | | | | | | | | Louisiana. | | | | | | | | | | | | | | | | | |
|---------|---------------|------|-------------|------|------------|------|----------------|------|-----------------|------|---------------|------|---------------|------|------------------|------|------------|------|--------------|------|--------------|------|---------------|------|-------------|------|
| | Kosciusko. §§ | | Natchez. §§ | | Vicksburg. | | Alexandria. §§ | | Baton Rouge. §§ | | Covington. §§ | | Lafayette. §§ | | Lake Charles. §§ | | Monroe. §§ | | New Orleans. | | Robeline. §§ | | Schriever. §§ | | Shreveport. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 85 | 50 | 83 | 51 | 80 | 59 | 86 | 55 | 85 | 58 | 86 | 52 | 84 | 58 | 85 | 53 | 85 | 53 | 85 | 63 | 85 | 55 | 87 | 55 | 82 | 60 |
| 2..... | 83 | 54 | 76 | 55 | 81 | 61 | 82 | 56 | 85 | 60 | 84 | 54 | 82 | 56 | 82 | 52 | 83 | 56 | 81 | 63 | 83 | 51 | 88 | 54 | 80 | 59 |
| 3..... | 83 | 51 | 82 | 59 | 80 | 58 | 82 | 57 | 85 | 62 | 84 | 57 | 82 | 63 | 83 | 58 | 80 | 58 | 81 | 65 | 78 | 53 | 86 | 61 | 75 | 63 |
| 4..... | 84 | 54 | 82 | 58 | 80 | 64 | 81 | 56 | 84 | 65 | 84 | 63 | 83 | 68 | 82 | 62 | 77 | 67 | 80 | 66 | 80 | 60 | 86 | 65 | 78 | 66 |
| 5..... | 85 | 61 | 77 | 65 | 80 | 61 | 84 | 66 | 85 | 66 | 87 | 65 | 84 | 69 | 84 | 61 | 78 | 66 | 85 | 67 | 81 | 60 | 89 | 66 | 80 | 59 |
| 6..... | 80 | 61 | 86 | 50 | 79 | 61 | 80 | 51 | 83 | 62 | 85 | 66 | 84 | 60 | 82 | 53 | 79 | 57 | 82 | 64 | 75 | 55 | 85 | 65 | 70 | 59 |
| 7..... | 72 | 57 | 75 | 50 | 75 | 60 | 78 | 57 | 81 | 57 | 80 | 58 | 79 | 62 | 75 | 56 | 77 | 57 | 73 | 62 | 72 | 54 | 81 | 68 | 75 | 55 |
| 8..... | 83 | 54 | 72 | 55 | 81 | 60 | 82 | 56 | 82 | 57 | 83 | 56 | 88 | 58 | 85 | 56 | 81 | 55 | 80 | 62 | 83 | 50 | 82 | 56 | 80 | 56 |
| 9..... | 86 | 56 | 86 | 57 | 84 | 65 | 86 | 57 | 87 | 60 | 87 | 57 | 83 | 59 | 88 | 55 | 86 | 59 | 81 | 65 | 88 | 50 | 85 | 53 | 84 | 61 |
| 10..... | 87 | 58 | 87 | 58 | 84 | 62 | 89 | 58 | 88 | 61 | 90 | 58 | 85 | 59 | 91 | 58 | 87 | 61 | 85 | 68 | 90 | 55 | 89 | 57 | 87 | 63 |
| 11..... | 73 | 57 | 85 | 60 | 79 | 62 | 87 | 61 | 85 | 62 | 87 | 60 | 87 | 62 | 90 | 57 | 78 | 60 | 88 | 68 | 87 | 58 | 87 | 61 | 76 | 63 |
| 12..... | 82 | 53 | 83 | 57 | 81 | 59 | 86 | 58 | 87 | 63 | 86 | 59 | 84 | 60 | 88 | 55 | 84 | 59 | 81 | 64 | 90 | 56 | 87 | 58 | 86 | 60 |
| 13..... | 86 | 57 | 86 | 60 | 85 | 65 | 88 | 59 | 89 | 66 | 87 | 61 | 85 | 61 | 85 | 58 | 89 | 63 | 85 | 68 | 89 | 56 | 90 | 59 | 86 | 64 |
| 14..... | 85 | 62 | 87 | 62 | 83 | 64 | 86 | 63 | 88 | 66 | 86 | 63 | 85 | 63 | 86 | 60 | 87 | 62 | 85 | 68 | 88 | 59 | 89 | 60 | 86 | 64 |
| 15..... | 84 | 66 | 80 | 65 | 82 | 64 | 85 | 65 | 85 | 68 | 86 | 64 | 85 | 67 | 86 | 64 | 85 | 65 | 85 | 70 | 87 | 60 | 89 | 63 | 82 | 60 |
| 16..... | 75 | 62 | 76 | 67 | 74 | 64 | 82 | 64 | 75 | 69 | 81 | 66 | 79 | 70 | 87 | 59 | 81 | 64 | 84 | 66 | 81 | 61 | 81 | 66 | 81 | 60 |
| 17..... | 87 | 61 | 86 | 61 | 85 | 61 | 89 | 62 | 87 | 65 | 83 | 62 | 86 | 62 | 89 | 58 | 88 | 61 | 85 | 68 | 93 | 57 | 91 | 59 | 88 | 63 |
| 18..... | 90 | 61 | 89 | 61 | 88 | 66 | 90 | 63 | 90 | | | | | | | | | | | | | | | | | |

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 8, TEXAS AND RIO GRANDE VALLEY.

B. BUNNEMEYER, District Editor.

GENERAL SUMMARY.

For the first time in the last seven months the mean temperature for the district as a whole was above the normal. Deficiencies occurred, however, in the eastern and southern portions of Texas and over a large area in New Mexico. The monthly extremes of temperature were well within the record, although the days as a rule were warm and the nights cool. Precipitation occurred mostly as local showers and was unevenly distributed. The monthly amounts were considerably less than normal, except over limited areas where there were excessively heavy local rains. The percentage of sunshine was large and the number of rainy days small. The average number of days with 0.01 inch or more of precipitation was only two in Colorado and New Mexico and four in Texas. In the western sections of the district the precipitation nearly all occurred during the last decade, while in Texas there were two general storm periods, from the 3d to the 5th and from the 16th to 22d. There was practically no precipitation in Texas during the last nine days of the month, and in many sections moisture was badly needed at the close of May. The snowfall was light, occurring at the higher mountain stations on the 3d or 4th. The heaviest amount reported was 0.8 inch at Hermit, Colo.

The greatest monthly amount of precipitation reported from the Colorado portion was 1.17 inches at Hermit; from New Mexico, 1.40 inches at Anchor Mine; and from Texas, 6.05 inches at Harper. There was practically no precipitation at 2 stations in Colorado, at 18 in New Mexico, and at 6 in Texas. Amounts of 2.50 inches or more in 24 consecutive hours were reported from 34 stations in Texas, the heaviest being 5.70 inches at Mount Blanco on the 9th.

The prevailing winds were from the southwest in the western portion of the district and from the south in the eastern portion, except along the Texas coast, where they were from the southeast.

TEMPERATURE.

The mean temperature was 2° above normal in Colorado, 0.5° above in New Mexico, and 0.4° above in Texas. There were no well-defined warm or cool periods, but the coolest weather occurred during the first decade and the warmest between the 26th and 31st. Freezing temperatures were reported from portions of Colorado as late as May 22 and from New Mexico as late as May 16. The mean daily range varied from 8° on the Texas coast to 42° in portions of New Mexico.

The highest and lowest temperatures reported were, respectively, in Colorado, 84° at Saguache on the 26th and 10° at Hermit on the 4th; in New Mexico, 105° at Hobbs on the 26th and 12° at Bluewater on the 3d; and in Texas, 105° at Big Spring on the 26th and 36° at East-

land on the 1st. The local monthly means ranged from 40.6° to 54.8° in Colorado, from 48.5° to 72.8° in New Mexico, and from 67.5° to 80.5° in Texas.

PRECIPITATION.

The precipitation over the Rio Grande watershed was decidedly deficient, except locally from Eagle Pass, Tex., to Rio Grande City, Tex., where slight excesses occurred. The deficiency was most marked from San Marcial, N. Mex., to Marfa, Tex. Over this area half of the reporting stations received less than a measurable amount of moisture. The average for the watershed was 0.41 inch, which is about 40 per cent of the normal amount.

The deficiency over the Rio Pecos watershed was still more pronounced, the monthly amounts averaging only 0.26 inch, or one-fourth the normal fall.

Precipitation over the Texas watersheds occurred mostly as local showers, with amounts varying greatly, even in near-by localities. Amounts in excess of the normal were reported from a few southwestern, central, and northern counties, but for the drainage areas as a whole the rainfall was decidedly deficient. The deficiencies ranged from 0.35 inch for the Neches watershed to 2.96 inches for that of the Lavaca. The following are the average monthly amounts in inches and hundredths for the various drainage basins: Nueces, 2.17; San Antonio, 1.79; Guadalupe, 2.26; Lavaca, 1.12; Colorado, 2.65; Brazos, 2.72; Trinity, 3.23; Neches, 2.86; Sabine, 3.18; and coastal plains, 2.23.

RIVER CONDITIONS.

Good rises occurred in the Texas streams and in the Rio Grande at and below Eagle Pass, Tex., after the heavy local rains of the 3d to 4th. The rainfall was unusually heavy in the upper Colorado watershed, and a sharp rise moved down the Colorado from Ballinger to its mouth. At Columbus it overflowed its banks on the 10th and 11th, attaining a stage of 27.3 feet, or 3.3 feet above flood stage, on the latter date. Warnings were issued for this rise and cattle were driven to higher ground. Lowland pastures were damaged to the extent of about \$500 in the vicinity of Columbus, and several farmers in the vicinity of Bay City who were cultivating a few acres of made land in the river bottom suffered a loss of about \$75. No other losses resulted from high water, as the other streams remained within their banks throughout the month.

DESTRUCTIVE LOCAL STORMS.

Tornadoes.—Tornadoes with characteristic pendant, funnel-shaped clouds occurred at 5.30 a. m. May 4 just north of Gainesville, Tex., and at 5.30 p. m. May 21, 3

miles southeast of Wolfe City, Tex. On account of the sparsely settled sections traversed by these storms but little damage resulted.

The Gainesville tornado came from the southwest and went toward the north. It wrecked one residence and one barn, and lifted another house a distance of 20 feet, turning the east front to the north, but no one was killed or injured. It was not practicable to obtain an estimate of the damage.

The Wolfe City tornado came from the northeast and went toward the south. Its path was about 200 feet in width. One residence was completely demolished and another partially wrecked, and four persons were more or less seriously injured. The total damage is estimated at \$3,000. Mr. L. C. Burnecke, Wolfe City, an eye witness, furnished the following:

I watched these clouds myself, and it seemed as if there were three distinct storms. The first cloud had the appearance of a white rope

that finally reached the ground and then began going upward as if it were drawing itself up; after which it went all to pieces. The next cloud formed about 15 minutes later in nearly the same place. It did not last as long as the first, but was much more threatening. A few minutes later another cloud formed a little to the westward. It was closer to the ground and is believed to have done the damage, and the funnel seemed to jump.

Destructive windstorm.—A violent windstorm from the west or northwest occurred at Ballinger, Tex., at 1 a. m. May 3, destroying several shacks in the poorer section of the city and injuring one person. The total damage is estimated at \$300.

Hailstorms.—Damaging hailstorms were reported from Comanche and San Angelo, Tex., on the 18th, and from Tahoka, Tex., on the 19th. At Tahoka the hailstones were reported to have been as large as teacups, and all vegetation in the path of the storm was destroyed. Calves, pigs, and chickens were killed by the hailstones, and one person had his arm badly bruised.

TABLE 1.—Climatological data for May, 1913. District No. 8, Texas and Rio Grande Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|-------------------------------------|------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of overcast days. |
| Colorado. | | | | | | | | | | | | | | | | | | | | |
| Blanca | Costilla | 7,865 | 4 | 51.8 | | 79 | 26 | 21 | 5 | 45 | T. | | T. | 0 | 0 | 21 | 8 | 2 | w. | Lewis F. Botens. |
| Cumbres | Conejos | 10,015 | 6 | | | | | | | | 0.44 | | 0.39 | T. | 2 | 11 | 19 | 1 | sw. | Mrs. Ida M. Lively. |
| Garnett | Costilla | 7,576 | 20 | | | | | | | | | | | | | | | | | Charles Speiser. |
| Hermit | Hinsdale | 9,843 | 6 | 40.6 | | 71 | 23† | 10 | 4 | 47 | 1.17 | | 1.09 | 0.8 | 2 | 18 | 11 | 2 | w. | Marion Mason. |
| La Veta Pass | Costilla | 9,000 | 3 | | | | | | | | 0.29 | | 0.11 | 0 | 3 | 16 | 14 | 1 | w. | Clara M. Wright. |
| Manassa | Conejos | 7,700 | 7 | 52.7 | | 79† | 24† | 18† | 4 | 53† | 0.03 | | 0.03 | 0 | 1 | 7† | 15† | 8† | sw. | J. B. Chapman. |
| Platoro | do. | 7,675 | 6 | | + 3.2 | | | | | | 0.50 | | 0.38 | 0.5 | 3 | 24 | 4 | 3 | w. | Walter R. Hook. |
| Saguache | Saguache | 7,740 | 21 | 54.8 | | 84 | 26 | 26 | 16† | 40 | T. | - 0.70 | T. | 0 | 7 | 4 | 20 | 3 | s. | Eugene Williams. |
| San Luis | Costilla | 7,794 | 22 | 50.4 | + 0.6 | 78 | 26 | 21 | 4 | 46 | 0.40 | - 0.74 | 0.18 | T. | 4 | 12 | 18 | 1 | sw. | P. B. Albright. |
| Wagon Wheel Gap Experiment Station. | Mineral | 9,235 | 14 | 44.9 | + 2.3 | 69 | 30 | 20 | 4 | 38 | 0.34 | - 0.60 | 0.21 | T. | 4 | 10 | 16 | 5 | ne. | U. S. Weather Bureau. |
| New Mexico. | | | | | | | | | | | | | | | | | | | | |
| Agricultural College. | Dona Ana | 3,863 | 52 | 67.2 | - 3.1 | 95 | 26 | 38 | 5 | 49 | 0.01 | - 0.22 | 0.01 | 0 | 1 | 21 | 8 | 2 | sw. | New Mexico Agr. College. |
| Alamogordo (near) | Otero | 4,338 | 16 | 69.0 | + 1.0 | 100 | 26 | 36 | 3 | 45 | 0.05 | - 0.15 | 0.03 | 0 | 2 | 23 | 6 | 2 | sw. | Edward LeBreton. |
| Alamogordo. | do. | 4,320 | 4 | | | | | | | | T. | | T. | 0 | 0 | 31 | 0 | 0 | | Agent E. P. & S. W. R. R. |
| Alamos Ranch | Sandoval | 7,800 | 3 | | | | | | | | | | | | | | | | | H. H. Brook. |
| Albuquerque | Bernalillo | 5,000 | 37 | | | | | | | | 0.24 | - 0.14 | 0.13 | 0 | 3 | 26 | 5 | 0 | w. | Pitt Ross, C. E. |
| Ancho | Lincoln | 6,112 | 4 | | | | | | | | 0.26 | | 0.26 | 0 | 1 | | | | | Agent E. P. & S. W. R. R. |
| Anchor Mine | Taos | 10,600 | 2 | | | | | | | | 1.40 | | 0.40 | 0 | 6 | 16 | 8 | 7 | e. | Charles H. Brigham. |
| Artesia | Eddy | 3,350 | 5 | 70.6 | | 101 | 26† | 39 | 5 | 54 | 0.93 | | 0.60 | 0 | 4 | 24 | 6 | 1 | se. | Will Benson, C. E. |
| Aspen Grove Ranch | Rio Arriba | 9,000 | 4 | | | | | | | | 0.08 | | 0.08 | 0 | 1 | 14 | 17 | 0 | | Junius D. Maupin. |
| Bateman's Ranch. | do. | 8,900 | 4 | | | | | | | | 0.13 | | 0.05 | 0 | 3 | 20 | 10 | 1 | w. | John W. Bateman. |
| Berino | Dona Ana | 3,788 | 2 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | | | | | J. C. Rishaberger. |
| Bluewater | Valencia | 6,732 | 11 | 55.0 | - 0.7 | 85 | 26† | 12 | 3 | 58 | 0.35 | - 0.09 | 0.35 | 0 | 1 | 16 | 14 | 1 | w. | Bluewater Development Co. |
| Boaz | Chaves | 4,154 | 4 | 68.8 | | 102 | 26 | 39 | 4 | 54 | 0.01 | | 0.01 | 0 | 1 | 21 | 10 | 0 | sw. | William Horner. |
| Capitan | Lincoln | 6,348 | 4 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 3 | 13 | 15 | nw. | Agent E. P. & S. W. R. R. |
| Carlsbad | Eddy | 3,120 | 18 | 72.6 | + 0.9 | 102 | 26 | 40 | 5 | 51 | 0.14 | - 0.36 | 0.09 | 0 | 3 | 26 | 5 | 0 | se. | U. S. Reclamation Service. |
| Carrizozo | Lincoln | 5,429 | 5 | 66.6 | | 95 | 24 | 39 | 3† | 42 | T. | | T. | 0 | 0 | | | | | Agent E. P. & S. W. R. R. |
| Cerrillos (near) | Santa Fe | 5,700 | 1 | 63.0 | | 90 | 29† | 31 | 15 | 50 | 0.06 | | 0.04 | 0 | 3 | 10 | 20 | 1 | w. | Irving C. Sweet. |
| Chama | Rio Arriba | 7,851 | 15 | 50.8 | + 0.7 | 78 | 23† | 21 | 4 | 43 | 0.21 | - 0.98 | 0.21 | 0 | 1 | 26 | 5 | 0 | sw. | Frank C. Johnson. |
| Cloudcroft. | Otero | 8,650 | 11 | 51.6 | + 2.1 | 72 | 30 | 30 | 4 | 30 | 0.00 | - 0.88 | 0.00 | 0 | 0 | 29 | 0 | 2 | | Agent E. P. & S. W. R. R. |
| Corona | Lincoln | 6,666 | 4 | 60.1 | | 84 | 25† | 32 | 1 | 42 | 0.00 | | 0.00 | 0 | 0 | 6 | 25 | 0 | sw. | Do. |
| Coyote | do. | 5,800 | 4 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 24 | 5 | 2 | sw. | Do. |
| Cundiyo | Santa Fe | 6,889 | 4 | | | | | | | | 0.09 | | 0.09 | 0 | 1 | 24 | 6 | 1 | w. | Jaun Vilij. |
| Demonstration Farm. | San Miguel | 6,800 | 4 | | | | | | | | | | | | | | | | | Erb & Westerman. |
| Duran | Torrance | 6,272 | 4 | 64.4 | | 88 | 24† | 36 | 3† | 36 | 0.15 | | 0.15 | 0 | 1 | 17 | 13 | 1 | w. | Agent E. P. & S. W. R. R. |
| Elida | Roosevelt | 4,345 | 1 | | | | | | | | | | | | | | | | | A. J. Evans. |
| Escondido | Otero | 4,014 | 4 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 30 | 0 | 1 | se. | Agent E. P. & S. W. R. R. |
| Espanola | Rio Arriba | 5,590 | 15 | 61.1 | + 2.7 | 89 | 26† | 31 | 15† | 49 | 0.02 | - 0.86 | 0.02 | 0 | 1 | 29 | 2 | 0 | sw. | Mrs. Ella F. McBride. |
| Estancia | Torrance | 6,140 | 8 | 58.0 | | 88 | 19 | 21 | 1 | 61 | T. | - 0.53 | T. | 0 | 0 | 16 | 14 | 1 | w. | George H. Van Stone. |
| Fort Stanton | Lincoln | 6,231 | 36 | 56.5 | - 2.5 | 85 | 26 | 28 | 16 | 54 | 0.08 | - 0.60 | 0.08 | 0 | 1 | 20 | 11 | 0 | s. | U. S. Sanitarium. |
| Fort Sumner | Guadalupe | 3,960 | 5 | 65.8 | | 94 | 26† | 38 | 1† | 51 | 0.03 | | 0.03 | 0 | 1 | 16 | 15 | 0 | sw. | Peter Yocky. |
| Gallinas | Lincoln | 6,635 | 4 | | | | | | | | 0.45 | | 0.25 | 0 | 2 | 20 | 6 | 5 | w. | Agent E. P. & S. W. R. R. |
| Gallinas Planting Sta. | San Miguel | 7,500 | 6 | 53.7 | | 80 | 24† | 28 | 4 | 42 | 0.73 | | 0.63 | T. | 4 | 18 | 12 | 1 | sw. | U. S. Forest Service. |
| Glorieta Ranch | Socorro | 6,300 | 3 | | | | | | | | 0.30 | | 0.17 | 0 | 3 | 26 | 3 | 2 | s. | Charles M. Crossman. |
| Harvey's Upper Ranch | San Miguel | 9,400 | 4 | 50.7 | | 73 | 24 | 26 | 4 | 35 | 0.53 | | 0.25 | 0 | 4 | 17 | 14 | 0 | sw. | R. B. Schoonmaker. |
| Hobbs | Eddy | 72.8† | | | | 105† | 26 | 45† | 17 | 50† | 0.10 | | 0.07 | 0 | 3 | 21 | 8 | 2 | sw. | E. H. Byers. |
| Hondo Reservoir. | Chaves | 3,904 | 4 | 68.3 | | 97 | 26 | 36 | 5 | 48 | 0.34 | | 0.18 | 0 | 3 | 24 | 7 | 0 | sw. | U. S. Reclamation Service. |
| Jemez Springs. | Sandoval | 6,100 | 3 | 58.1 | | 83 | 30 | 33 | 4 | 42 | 0.04 | | 0.02 | 0 | 3 | 20 | 8 | 3 | sw. | Mrs. L. L. Shields. |
| Knowles (near). | Eddy | 4,300 | 3 | 70.4 | | 100 | 26 | 38 | 5 | 47 | 0.05 | | 0.03 | 0 | 2 | 20 | 10 | 1 | se. | J. W. Mosley. |
| Laguna | Valencia | 5,840 | 8 | 61.6 | | 92 | 26† | 29 | 15 | 58 | 0.50 | + 0.26 | 0.30 | 0 | 2 | | | | w. | Guss Weiss. |
| Lagunita | Guadalupe | 4,500 | 8 | | | | | | | | 0.43 | | 0.33 | 0 | 3 | 27 | 3 | 1 | sw. | P. A. Turnbull. |
| Lake Valley | Sierra | 5,412 | 8 | | | | | | | | 0.05 | | 0.05 | 0 | 1 | 22 | 8 | 0 | se. | William P. Keil. |
| Lakewood (near). | Eddy | 3,170 | 1 | 70.6 | | 98 | 16† | 38 | 5 | 51 | 0.05 | | 0.10 | 0 | 1 | 22 | 8 | 1 | e. | Mrs. J. K. Boyd. |
| Lanark | Dona Ana | 4,156 | 14 | | | | | | | | 0.10 | + 0.06 | 0.10 | 0 | 1 | 22 | 8 | 1 | e. | Agent So. Pac. R. R. |
| Las Vegas. | San Miguel | 6,385 | 26 | 58.0 | + 0.8 | 85 | 24 | 32 | 4† | 44 | 0.44 | - 1.40 | 0.20 | 0 | 3 | 15 | 15 | 1 | sw. | New Mexico Normal Univ. |
| Los Lunas (near). | Valencia | 4,900 | 24 | 62.9 | - 0.7 | 94 | 26† | 34 | 5† | 48 | 0.08 | - 0.66 | 0.08 | 0 | 1 | 18 | 13 | 0 | | Richard Pohl. |
| Magdalena | Socorro | 6,557 | 8 | 61.7 | | 83 | 31 | 34 | 4 | 32 | 0.10 | - 0.11 | 0.10 | T. | 1 | 18 | 12 | 1 | w. | William Pender. |
| Mescalero | Otero | 6,627 | 2 | 55.7 | | 82 | 26† | 24 | 19 | 39 | 0.11 | | 0.06 | 0 | 2 | 20 | 6 | 5 | sw. | Rev. R. H. Harper. |
| Mineral Hill. | San Miguel | 7,050 | 8 | | | | | | | | 0.25 | | 0.25 | 0 | 1 | 1 | 29 | 1 | sw. | W. M. Nelson. |
| Monterey | Otero | 4,436 | 4 | | | 94 | 26 | 39 | 4 | | 0.08 | | 0.08 | 0 | 1 | 26 | 4 | 1 | s. | Agent E. P. & S. W. R. R. |
| Mountainair. | Torrance | 6,547 | 11 | 60.0 | + 2.4 | 92 | 26 | 27 | 15 | 51 | 0.02 | - 0.83 | 0.02 | 0 | 1 | 20 | 9 | 2 | sw. | Miss Julia Hill. |
| Mountain Park | Otero | | 1 | | | | | | | | 0.09 | | 0.09 | 0 | 1 | 25 | 6 | 0 | w. | Charles E. Beasley. |
| Newman | do. | 3,989 | 4 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 29 | 1 | 1 | | Agent E. P. & S. W. R. R. |
| Nogal (near). | Lincoln | 8,000 | | | | | | | | | 0.78 | | 0.69 | T. | 4 | 15 | 11 | 5 | w. | H. E. Keller. |
| Noria | Dona Ana | 4,114 | 4 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 29 | 2 | 0 | e. | Agent E. P. & S. W. R. R. |
| Orogrande | Otero | 4,171 | 4 | | | | | | | | T. | | T. | 0 | 0 | 24 | 7 | 0 | | Do. |
| Oscara | Lincoln | 5,016 | 4 | | | | | | | | 0.07 | | 0.07 | 0 | 1 | | | | | Eugene F. Jones. |
| Otis | Eddy | 3,100 | 4 | | | | | | | | 0.16 | | 0.10 | 0 | 2 | 24 | 6 | 1 | se. | A. M. Hove. |
| Pastura | Guadalupe | 5,285 | 4 | | | | | | | | 0.24 | | 0.15 | 0 | 3 | 7 | 17 | 7 | e. | Agent E. P. & S. W. R. R. |
| Placitas (near). | Bernalillo | 8,000 | 2 | | | | | | | | | | | | | | | | | George C. Ellis. |
| Plainview (near). | Chaves | 4,300 | 2 | | | | | | | | | | | | | | | | | L. P. Adair. |
| Red River | | | | | | | | | | | | | | | | | | | | |

TABLE 1.—*Climatological data for May, 1913. District No. 8—Continued.*

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|-------------------|--------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|----------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelting. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | |
| New Mexico—Contd. | | | | | | | | | | | | | | | | | | | |
| Tularosa. | Otero. | 4,436 | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Vaughn. | Guadalupe | 5,952 | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Virgilville. | Taos. | 7,500 | 3 | 55.7 | ... | 81 | 26 | 28 | 14 | 31 | 0.56 | ... | 0.22 | 0 | 6 | 18 | 13 | 0 | |
| Willard. | Torrance | 6,086 | 1 | 63.5 | ... | 102 | 25 | 29 | 15 | 64 | 0.07 | ... | 0.07 | 0 | 1 | 19 | 11 | 0 | |
| Winsors. | San Miguel. | 8,200 | 17 | 49.0 | + 2.8 | 75 | 24 | 24 | 14 | 40 | 0.03 | - 1.35 | 0.12 | T. | 4 | 11 | 20 | 1 | |
| Texas. | | | | | | | | | | | | | | | | | | | |
| Ablene. | Taylor | 1,738 | 28 | 73.7 | + 1.8 | 98 | 26 | 51 | 7 | 36 | 4.73 | + 1.01 | 3.63 | 0 | 8 | 16 | 8 | 7 | |
| Albany. | Shackelford. | 1,429 | 19 | 71.0 | - 1.5 | 100 | 27 | 42 | 18 | 55 | 4.41 | + 0.92 | 3.30 | 0 | 5 | 26 | 1 | 4 | |
| Alco. | Jim Wells. | 2,209 | 2 | 77.0 | ... | 99 | 31 | 54 | 8 | 35 | 0.34 | ... | 0.20 | 0 | 3 | 16 | 6 | 9 | |
| Alpine. | Brewster | 4,482 | 3 | ... | ... | ... | ... | ... | ... | ... | 0.30 | ... | 0.30 | 0 | 1 | 24 | 0 | 7 | |
| Alvin. | Brazoria. | 49 | 15 | 75.6 | ... | 95 | 31 | 54 | 9 | 38 | 4.16 | + 0.37 | 2.10 | 0 | 4 | 12 | 12 | 7 | |
| Anahuac. | Chambers. | 23 | 4 | ... | ... | ... | ... | ... | ... | ... | 3.57 | ... | 2.05 | 0 | 5 | ... | ... | ... | |
| Antelope. | Jack. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2.57 | ... | 2.15 | 0 | 5 | 16 | 11 | 4 | |
| Aspermont. | Stonewall. | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 1.57 | ... | 1.44 | 0 | 2 | 27 | 1 | 3 | |
| Austin. | Travis. | 593 | 57 | 71.0 | - 3.5 | 92 | 27 | 47 | 26 | 41 | 2.98 | - 1.21 | 1.16 | 0 | 6 | 18 | 4 | 9 | |
| Ballinger. | Runnels. | 1,637 | 17 | 74.2 | + 1.7 | 99 | 26 | 51 | 7 | 41 | 4.01 | + 0.57 | 3.53 | 0 | 4 | 13 | 5 | 13 | |
| Barstow. | Ward. | 2,573 | 6 | 75.0 | ... | 101 | 26 | 41 | 6 | 45 | 0.00 | ... | 0.00 | 0 | 0 | 20 | 9 | 2 | |
| Bay City. | Matagorda. | 23 | 3 | 73.5 | ... | 87 | 27 | 54 | 2 | 26 | 1.70 | ... | 1.30 | 0 | 4 | 19 | 2 | 10 | |
| Beaumont. | Jefferson | 225 | 12 | 75.6 | + 0.4 | 92 | 30 | 57 | 25 | 31 | 4.31 | + 1.10 | 2.43 | 0 | 4 | 20 | 0 | 11 | |
| Beeville. | Boe. | 225 | 17 | 76.0 | - 1.1 | 98 | 27 | 52 | 7 | 40 | 0.35 | - 3.17 | 0.31 | 0 | 2 | 15 | 1 | 15 | |
| Big Spring. | Howard. | 2,396 | 15 | 75.6 | + 2.7 | 105 | 26 | 47 | 5 | 42 | 1.08 | - 2.18 | 0.87 | 0 | 5 | 18 | 10 | 3 | |
| Blanco. | Blanco. | 1,350 | 17 | 72.7 | + 1.6 | 94 | 30 | 48 | 8 | 36 | 3.82 | + 1.03 | 1.18 | 0 | 7 | 19 | 8 | 2 | |
| Boerne. | Kendall. | 1,412 | 21 | 69.9 | - 2.7 | 94 | 18 | 41 | 2 | 45 | 3.85 | - 1.35 | 1.53 | 0 | 5 | 18 | 8 | 5 | |
| Booth. | Fort Bend. | 81 | 12 | ... | ... | ... | ... | ... | ... | ... | 1.65 | - 3.28 | 0.98 | 0 | 7 | 23 | 0 | 8 | |
| Bowie. | Montague. | 1,113 | 18 | 73.8 | + 2.7 | 99 | 28 | 51 | 7 | 33 | 3.34 | - 1.79 | 2.66 | 0 | 5 | 18 | 1 | 12 | |
| Brady. | McCulloch. | 1,500 | 12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Brazoria. | Brazoria. | 25 | 24 | 72.8 | - 1.8 | 91 | 27 | 54 | 1 | 34 | 1.31 | - 1.85 | 0.75 | 0 | 5 | 26 | 5 | 0 | |
| Brazos. | Palo Pinto. | 801 | 4 | ... | ... | ... | ... | ... | ... | ... | 5.25 | ... | 3.10 | 0 | 6 | 18 | 7 | 6 | |
| Brenham. | Washington. | 350 | 28 | 73.8 | - 1.4 | 91 | 31 | 58 | 1 | 25 | 2.80 | - 0.95 | 1.43 | 0 | 7 | 16 | 1 | 14 | |
| Bridgeport. | Wise | 754 | 4 | ... | ... | ... | ... | ... | ... | ... | 3.72 | ... | 2.10 | 0 | 3 | 17 | 10 | 4 | |
| Brighton. | Nueces. | 12 | 20 | 75.5 | - 0.8 | 90 | 31 | 57 | 8 | 29 | 2.32 | - 0.60 | 1.85 | 0 | 2 | 30 | 0 | 1 | |
| Brownsville. | Cameron | 38 | 49 | 74.7 | - 3.9 | 89 | 31 | 55 | 8 | 32 | 1.12 | - 1.03 | 0.80 | 0 | 6 | ... | ... | ... | |
| Brownwood. | Brown | 1,342 | 21 | 73.8 | + 1.2 | 101 | 26 | 50 | 7 | 48 | 2.44 | - 1.60 | 1.95 | 0 | 3 | 20 | 8 | 3 | |
| Buena Vista. | Pecos | 1 | 5 | ... | ... | ... | ... | ... | ... | ... | 0.95 | ... | 0.51 | 0 | 4 | 30 | 1 | 0 | |
| Cameron. | Milam. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Carmona. | Polk. | 330 | 5 | 71.8 | ... | 94 | 31 | 49 | 24 | 35 | 3.03 | ... | 1.10 | 0 | 6 | 22 | 5 | 4 | |
| Carrizo Springs. | Dimit. | 1 | 1 | 79.4 | ... | 98 | 17 | 50 | 24 | 43 | 0.45 | ... | 0.35 | 0 | 2 | 20 | 0 | 9 | |
| Claytonville. | Fisher. | 2,100 | 18 | 73.2 | + 2.2 | 100 | 26 | 48 | 6 | 44 | 2.58 | - 0.63 | 1.19 | 0 | 5 | 22 | 5 | 4 | |
| Clifton. | Bosque | 671 | 2 | ... | ... | ... | ... | ... | ... | ... | 4.25 | ... | 2.57 | 0 | 4 | 14 | 13 | 4 | |
| Coleman. | Coleman | 1,710 | 19 | 74.6 | + 3.4 | 102 | 28 | 49 | 4 | 41 | 5.10 | - 1.15 | 3.75 | 0 | 4 | 18 | 10 | 3 | |
| Collegeport. | Matagorda | ... | 1 | 70.4 | ... | 86 | 19 | 50 | 8 | 32 | ... | ... | ... | 0 | 0 | 7 | 13 | 3 | |
| College Station. | Brazos | 308 | 23 | 74.4 | + 0.8 | 95 | 28 | 55 | 8 | 34 | 2.44 | - 2.13 | 1.00 | 0 | 6 | 11 | 6 | 14 | |
| Colorado. | Mitchell. | 2,006 | 19 | 74.7 | + 2.0 | 100 | 26 | 50 | 1 | 43 | 1.30 | - 1.10 | 0.61 | 0 | 5 | ... | ... | ... | |
| Columbus. | Colorado | 206 | 9 | ... | ... | ... | ... | ... | ... | ... | 1.46 | ... | 0.63 | 0 | 4 | 14 | 5 | 12 | |
| Comanche. | Comanche. | 1,358 | 7 | 75.0 | ... | 99 | 17 | 52 | 7 | 39 | 4.25 | ... | 1.95 | 0 | 5 | 12 | 15 | 4 | |
| Corpus Christi. | Nueces. | 20 | 26 | 74.4 | - 2.1 | 82 | 22 | 63 | 8 | 15 | 0.76 | - 2.02 | 0.70 | 0 | 3 | 13 | 13 | 5 | |
| Corsicana. | Navarro. | 445 | 24 | 72.9 | - 0.8 | 93 | 28 | 55 | 7 | 29 | 2.86 | - 2.40 | 1.63 | 0 | 4 | 20 | 1 | 10 | |
| Cotulla. | La Salle. | 425 | 6 | ... | ... | ... | ... | ... | ... | ... | 2.30 | ... | 1.60 | 0 | 3 | ... | ... | ... | |
| Crockett. | Houston. | 350 | 9 | 73.7 | ... | 95 | 28 | 55 | 24 | 31 | 4.23 | ... | 1.97 | 0 | 6 | 22 | 3 | 6 | |
| Cuero. | De Witt. | 177 | 23 | 73.2 | - 3.9 | 97 | 31 | 52 | 9 | 37 | 0.31 | - 3.28 | 0.22 | 0 | 3 | 17 | 5 | 9 | |
| Dallas. | Dallas. | 466 | 24 | 72.8 | 0.0 | 97 | 28 | 50 | 8 | 39 | 1.85 | - 2.49 | 1.24 | 0 | 5 | 20 | 1 | 10 | |
| Danevang. | Wharton. | 145 | 17 | 75.0 | - 1.2 | 98 | 31 | 51 | 23 | 39 | 0.20 | - 3.08 | 0.10 | 0 | 2 | 29 | 0 | 2 | |
| Del Rio. | Valverde. | 952 | 7 | 77.2 | + 0.3 | 97 | 26 | 55 | 7 | 36 | 0.64 | - 2.32 | 0.39 | 0 | 5 | 22 | 8 | 1 | |
| Devine. | Medina. | 653 | 3 | 79.2 | ... | 99 | 24 | 51 | 16 | 43 | 1.75 | ... | 1.25 | 0 | 3 | 23 | 4 | 4 | |
| Dialville. | Cherokee. | 575 | 10 | 72.5 | + 0.5 | 90 | 28 | 54 | 24 | 28 | 2.16 | - 1.94 | 1.01 | 0 | 5 | 19 | 5 | 6 | |
| Dilley. | Frio. | 569 | 3 | ... | ... | ... | ... | ... | ... | ... | 0.00 | ... | 0.00 | 0 | 0 | ... | ... | ... | |
| Dublin. | Erath. | 1,466 | 17 | 73.0 | + 1.3 | 102 | 17 | 50 | 7 | 50 | 3.41 | - 0.62 | 1.63 | 0 | 5 | 19 | 5 | 7 | |
| Duval. | Travis. | 820 | 24 | 74.3 | - 0.8 | 92 | 27 | 50 | 11 | 37 | 2.98 | - 1.09 | 1.26 | 0 | 5 | 21 | 3 | 7 | |
| Eagle Pass. | Maverick. | 800 | 36 | 80.2 | + 0.8 | 102 | 26 | 58 | 23 | 38 | 3.43 | + 0.32 | 2.50 | 0 | 4 | 16 | 15 | 0 | |
| Eastland. | Eastland. | 1,420 | 6 | 72.0 | ... | 98 | 28 | 36 | 1 | 50 | 3.65 | ... | 2.75 | 0 | 3 | 30 | 5 | 6 | |
| Edna. | Jackson. | 71 | 4 | ... | ... | ... | ... | ... | ... | ... | 1.67 | ... | 1.23 | 0 | 2 | ... | ... | ... | |
| El Paso. | El Paso. | 3,762 | 34 | 71.8 | - 0.3 | 95 | 26 | 47 | 4 | 38 | T. | - 0.35 | T. | 0 | 0 | 22 | 8 | 1 | |
| Encinal. | La Salle. | 558 | 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Falfurrias. | Brooks. | ... | 5 | 76.7 | ... | 99 | 31 | 53 | 8 | 40 | 1.15 | ... | 0.59 | 0 | 3 | 23 | 6 | 2 | |
| Flatonia. | Fayette. | 465 | 5 | 74.1 | ... | 97 | 27 | 54 | 7 | 37 | 1.39 | ... | 0.80 | 0 | 7 | 21 | 2 | 8 | |
| Flint. | Smith. | 483 | 3 | 73.2 | ... | 94 | 31 | 52 | 24 | 33 | 2.16 | ... | 0.96 | 0 | 7 | 21 | 3 | 7 | |
| Fort Clark. | Kinney. | 1,050 | 42 | 75.6 | - 0.9 | 96 | 27 | 60 | 9 | 34 | 2.60 | - 1.04 | 1.50 | 0 | 2 | 17 | 12 | 2 | |
| Fort Davis. | Jeff Davis. | 5,000 | 34 | ... | ... | ... | ... | ... | ... | ... | 0.41 | - 0.63 | 0.37 | 0 | 2 | ... | ... | ... | |
| Fort McIntosh. | Webb. | 460 | 45 | 80.5 | - 0.7 | 103 | 17 | 57 | 17 | 46 | 2.16 | - 0.22 | 0.83 | 0 | 5 | 18 | 9 | 4 | |
| Fort Stockton. | Pecos. | 3,050 | 16 | 75.4 | + 1.9 | 103 | 26 | 46 | 5 | 43 | 0.73 | - 0.70 | 0.38 | 0 | 3 | 4 | 27 | 0 | |
| Fort Worth. | Tarrant. | 670 | 18 | 73.6 | + 0.4 | 97 | 28 | 52 | 7 | 33 | 2.74 | - 1.41 | 1.87 | 0 | 6 | 15 | 11 | 5 | |
| Fredericksburg. | Gillespie. | 1,742 | 24 | 71.2 | - 0.9 | 92 | 27 | 51 | 8 | 35 | 2.96 | - 0.69 | 0.87 | 0 | 5 | 14 | 14 | 3 | |
| Gall. | Borden. | ... | 1 | 74.6 | ... | 102 | 13 | 48 | 8 | 48 | 0.00 | ... | 0.00 | 0 | 0 | 24 | 2 | 5 | |
| Gainesville. | Cooke. | 738 | 23 | 73.4 | - 2.7 | 96 | 26 | 50 | 7 | 35 | 4.29 | - 1.15 | 1.74 | 0 | 7 | ... | ... | ... | |
| Galveston. | Galveston. | 69 | 42 | 74.0 | - 1.4 | 83 | 31 | 60 | 5 | 16 | 3.87 | + 0.64 | 2.57 | 0 | 5 | 22 | 4 | 3 | |
| Gatesville. | Glasscock. | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 1.36 | ... | 1.19 | 0 | 3 | 24 | 4 | 4 | |
| Georgetown. | Corvell. | 795 | 9 | 72.6 | ... | 93 | 30 | 53 | 8 | 34 | 3.40 | ... | 1.40 | 0 | 4 | 25 | 3 | 3 | |
| Goliad. | Williamson. | 750 | 18 | 72.6 | - 0.8 | 97 | 27 | 50 | 24 | 38 | 3.92 | - 0.08 | 1.42 | 0 | 7 | 21 | 5 | 5 | |
| Gonzales. | Goliad. | 164 | 1 | ... | ... | ... | ... | ... | ... | ... | 0.25 | ... | 0.20 | 0 | 2 | ... | ... | ... | |
| Gonzales. | Gonzales. | 299 | 8 | ... | ... | ... | ... | ... | ... | ... | 4.61 | ... | 3.10 | 0 | 6 | 12 | 3 | 16 | |
| Goree. | Knox. | ... | 1 | ... | ... | ... | ... | ... | ... | ... | 3.18 | ... | 2.22 | 0 | 5 | 15 | 1 | 3 | |
| Gorham. | McLennan. | 444 | 4 | ... | ... | ... | ... | ... | ... | ... | 2.34 | ... | 1.34 | 0 | 5 | 22 | 7 | 2 | |
| Graham. | Young. | 1,040 | 14 | 74.4 | - 1.5 | 100 | 15 | 47 | 19 | 37 | 5.03 | + 0.81 | 2.57 | 0 | 4 | 19 | 10 | 2 | |
| Grand Falls. | Ward. | ... | 3 | ... | ... | ... | ... | ... | ... | ... | 0.08 | ... | 0.08 | 0 | 1 | 6 | 25 | 0 | |
| Grand Saline. | Vann Zandt. | 399 | 3 | ... | ... | ... | ... | ... | ... | ... | 2.49 | ... | 0.82 | 0 | 4 | 19 | 7 | 5 | |
| Grapevine. | Tarrant. | 670 | 23 | 74.3 | + 1.8 | 98 | 28 | 51 | 7 | 35 | 3.61 | - 1.33 | 1.35 | 0 | 6 | 16 | 8 | 7 | |
| Greenville. | Hunt. | 550 | 13 | 73.6 | + 2.5 | 96 | 26 | 51 | 7 | 35 | 3.25 | - 2.17 | 1.20 | 0 | 3 | 19 | 0 | 12 | |
| Hallettsville. | Lavaca. | 235 | 21 | 75.6 | - 0.9 | 95 | 31 | 56 | 24 | 33 | 0.57 | - 3.51 | 0.26 | 0 | 3 | 20 | 5 | 6 | |
| Hamlin. | Jones. | 1,685 | 2 | ... | ... | ... | ... | ... | ... | ... | 2.53 | ... | 2.00 | 0 | 2 | ... | ... | ... | |
| Harlingen. | Cameron. | 37 | 2 | 77.0 | ... | 95 | 18 | 57 | 9 | 34 | 2.14 | ... | 1.93 | 0 | 3 | 19 | 11 | 1 | |
| Harper. | Gillespie. | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 6.05 | ... | 2.00 | 0 | 4 | ... | ... | ... | |
| Haskell. | Haskell. | 1,553</ | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 8—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|----------------------|--------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Texas—Continued. | | | | | | | | | | | | | | | | | | | | |
| Hico..... | Hamilton..... | 2 | 2 | | | | | | | | 3.84 | | 2.83 | 0 | 3 | 22 | 0 | 9 | s. | John A. Eakins. |
| Hillsboro..... | Hill..... | 628 | 10 | 71.4 | | 96 | 26 | 47 | 6 | 38 | 2.39 | - 3.12 | 1.38 | 0 | 3 | 24 | 5 | 2 | se. | W. G. Escott. |
| Hondo..... | Medina..... | 901 | 14 | 74.6 | - 0.1 | 95 | 17 | 55 | 7 | 33 | 4.56 | - 0.06 | 2.25 | 0 | 5 | 24 | 5 | 2 | se. | H. E. Haass. |
| Houston..... | Harris..... | 138 | 23 | 73.8 | - 1.4 | 91 | 31 | 56 | 4 | 26 | 3.56 | - 1.51 | 1.89 | 0 | 6 | 17 | 8 | 6 | se. | U. S. Weather Bureau. |
| Huntsville..... | Walker..... | 400 | 29 | 72.4 | - 2.0 | 92 | 28 | 54 | 24 | 31 | 2.90 | - 2.03 | 1.38 | 0 | 4 | 23 | 0 | 8 | se. | W. Y. Barr. |
| Jayton..... | Kent..... | 3 | 3 | | | | | | | | 0.70 | | 0.70 | 0 | 1 | 26 | 0 | 5 | s. | Wichita Valley Ry. Co. |
| Jewett..... | Leon..... | 496 | 9 | 73.9 | | 98 | 28† | 54 | 9 | 38 | 2.55 | | 1.75 | 0 | 3 | 21 | 7 | 3 | s. | Earle Adkisson. |
| Junction..... | Kimble..... | 1,645 | 12 | 69.6 | | 94 | 17 | 45 | 8† | 41 | 2.85 | - 0.54 | 1.35 | 0 | 4 | 25 | 3 | 3 | se. | Judge John S. Durst. |
| Kaufman..... | Kaufman..... | 448 | 14 | 74.7 | + 1.1 | 95 | 26† | 53 | 24 | 32 | 1.42 | - 3.32 | 0.92 | 0 | 2 | 25 | 3 | 3 | se. | B. J. Hubbard. |
| Kerrville..... | Kerr..... | 1,650 | 17 | 71.4 | - 0.8 | 96 | 19 | 47 | 8 | 37 | 5.15 | + 1.65 | 2.04 | 0 | 5 | 16 | 12 | 3 | s. | Robert E. Horne. |
| Knickerbocker..... | Tom Green..... | 2,050 | 9 | 74.2 | | 98 | 17† | 46 | 5 | 45 | 3.96 | | 1.45 | 0 | 4 | 18 | 12 | 1 | se. | Jos. Tweedy. |
| Kopperl..... | Bosque..... | 576 | 16 | | | | | | | | 1.40 | - 3.60 | 0.60 | 0 | 3 | 13 | 9 | 9 | s. | T. A. Johnson. |
| Lagrange..... | Payette..... | 276 | 3 | | | | | | | | 1.84 | | 0.78 | 0 | 7 | 14 | 12 | 5 | se. | August Hermes. |
| Lamesa..... | Dawson..... | 2,500 | 3 | | | | | | | | 0.30 | | 0.30 | 0 | 1 | | | | s. | S. D. Austin. |
| Lampasas..... | Lampasas..... | 1,026 | 21 | 69.9 | - 3.0 | 96 | 27 | 45 | 17 | 47 | 3.08 | - 0.58 | 1.56 | 0 | 5 | 20 | 2 | 9 | s. | Mrs. K. L. Webber. |
| La Parra..... | Willacy..... | 38 | 10 | | | | | | | | 3.20 | + 0.90 | 2.90 | 0 | 2 | | | | s. | Jno. G. Kenedy. |
| Laredo..... | Webb..... | 421 | | | | | | | | | 2.29 | | 0.85 | 0 | 4 | | | | s. | Mrs. A. H. Jackson. |
| Laureles Ranch..... | Nueces..... | 20 | 13 | | | | | | | | | | | | | | | | s. | Matt Cody. |
| Liberty..... | Liberty..... | 38 | 9 | 72.8 | | 93 | 31 | 52 | 1 | 31 | 3.43 | | 1.50 | 0 | 5 | 19 | 9 | 3 | s. | Mrs. Fannie Sneed. |
| Llano..... | Llano..... | 1,040 | 22 | 74.0 | - 0.8 | 96 | 17† | 51 | 4 | 34 | 3.39 | + 0.84 | 1.41 | 0 | 7 | 22 | 6 | 3 | s. | E. W. Torrence. |
| Llano Grande..... | Hidalgo..... | 86 | 5 | 75.6 | | 97 | 31 | 52 | 10 | 40 | 2.87 | | 1.65 | 0 | 3 | 21 | 9 | 1 | se. | M. D. Wardlow. |
| Long Lake..... | Anderson..... | 229 | 8 | | | | | | | | 2.00 | | 1.30 | 0 | 3 | 12 | 6 | 13 | s. | Geo. W. Ellis. |
| Longview..... | Gregg..... | 336 | 27 | 74.8 | + 1.0 | 97 | 31 | 54 | 24 | 32 | 2.75 | - 1.66 | 1.23 | 0 | 7 | 21 | 0 | 10 | se. | C. A. Propst. |
| Lubbock..... | Lubbock..... | 2 | 2 | | | | | | | | 0.24 | | 0.15 | 0 | 3 | 22 | 8 | 1 | s. | A. L. Paschall. |
| Lufkin..... | Angelina..... | 25 | 6 | 72.6 | | 93 | 31 | 52 | 22 | 32 | 1.03 | | 0.39 | 0 | 4 | 23 | 1 | 7 | s. | T. A. King. |
| Luling..... | Caldwell..... | 418 | 24 | 76.0 | + 0.3 | 96 | 27† | 57 | 8† | 35 | 1.60 | - 1.72 | 1.08 | 0 | 5 | 12 | 3 | 16 | s. | John Carter. |
| McGregor..... | McLennan..... | 713 | 3 | | | | | | | | 2.50 | | 2.10 | 0 | 3 | 26 | 3 | 1 | s. | W. H. Whitley. |
| McKinney..... | Collin..... | 612 | 11 | 72.0 | | 95 | 31 | 49 | 7† | 37 | 4.02 | - 4.31 | 2.34 | 0 | 6 | 17 | 10 | 4 | se. | H. Killingsworth. |
| Marathon..... | Brewster..... | 4,043 | 3 | 67.5 | | 89 | 25† | 44 | 5 | 36 | 0.80 | | 0.75 | 0 | 2 | 13 | 7 | 11 | s. | Rev. A. P. Willis. |
| Marble Falls..... | Burnet..... | 771 | 5 | | | | | | | | 3.47 | | 0.70 | 0 | 7 | 20 | 0 | 11 | s. | B. E. Cochran. |
| Marfa..... | Presidio..... | 5 | 5 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | | | | s. | W. L. Jones. |
| Marshall..... | Harrison..... | 375 | 11 | 72.2 | | 93 | 31 | 50 | 24 | 31 | 2.29 | - 2.60 | 0.81 | 0 | 7 | 5 | 19 | 7 | s. | Lee Scott. |
| Matagorda..... | Matagorda..... | 12 | 3 | | | | | | | | 0.75 | | 0.41 | 0 | 3 | 27 | 3 | 1 | s. | W. E. McNabb. |
| Mexia..... | Limestone..... | 537 | 9 | 73.5 | | 94 | 28 | 54 | 24 | 31 | 1.33 | | 0.48 | 0 | 6 | 12 | 13 | 6 | s. | Miss Josephine Newman. |
| Midland..... | Midland..... | 10 | 10 | 74.5 | | 102 | 26 | 50 | 7 | 47 | 0.27 | - 2.93 | 0.25 | 0 | 2 | 18 | 8 | 5 | sw. | J. Harvey Clark. |
| Mission..... | Hidalgo..... | 140 | 3 | | | | | | | | 4.21 | | 2.48 | 0 | 4 | 21 | 5 | 5 | s. | Myron J. Conway. |
| Mont Belvieu..... | Chambers..... | 65 | 3 | | | | | | | | 2.15 | | 1.21 | 0 | 3 | 16 | 5 | 10 | se. | A. R. Shearer. |
| Montell..... | Uvalde..... | 1 | 1 | | | | | | | | 2.15 | | 1.21 | 0 | 3 | 16 | 5 | 10 | se. | A. G. Beccroft. |
| Mount Blanco..... | Crosby..... | 2,750 | 24 | 70.6 | + 2.4 | 98 | 25 | 43 | 10 | 42 | 5.99 | + 3.78 | 5.70 | 0 | 3 | 17 | 9 | 5 | s. | Geo. W. Smith. |
| Nacogdoches..... | Nacogdoches..... | 271 | 14 | 70.8 | - 1.1 | 89 | 31 | 53 | 1† | 29 | 5.01 | - 0.13 | 1.70 | 0 | 6 | 18 | 1 | 12 | s. | Miss Mary Hofmann. |
| New Braunfels..... | Comal..... | 720 | 24 | 74.0 | - 0.4 | 96 | 30 | 56 | 8 | 32 | 3.11 | - 0.10 | 1.47 | 0 | 4 | 14 | 12 | 5 | s. | J. Gliesecke. |
| Palestine..... | Anderson..... | 510 | 31 | 72.1 | - 0.4 | 89 | 28 | 54 | 24 | 27 | 2.83 | - 2.06 | 1.14 | 0 | 6 | 22 | 7 | 2 | s. | U. S. Weather Bureau. |
| Panther..... | Hood..... | 1,000 | 24 | | | | | | | | 3.48 | - 0.51 | 1.15 | 0 | 4 | | | | s. | E. H. Snyder. |
| Pearsall..... | Frio..... | 629 | 3 | | | | | | | | 0.79 | | 0.61 | 0 | 2 | | | | se. | Ernest De Vilbiss. |
| Pierce..... | Wharton..... | 102 | 7 | 73.6 | | 95 | 31 | 53 | 24 | 37 | 0.27 | | 0.10 | 0 | 3 | 16 | 0 | 15 | se. | R. B. Pointer. |
| Plainview..... | Hale..... | 3,370 | 17 | 70.1 | + 1.8 | 98 | 25 | 44 | 7 | 46 | 0.50 | - 1.98 | 0.38 | 0 | 2 | 17 | 13 | 1 | s. | J. F. Sander. |
| Port Arthur..... | Jefferson..... | | | | | | | | | | 4.35 | | 3.40 | 0 | 2 | | | | s. | Griffing Bros. Co. |
| Port Lavaca..... | Calhoun..... | 20 | 12 | 75.8 | - 0.1 | 92 | 27† | 57 | 7 | 28 | T. | - 4.53 | T. | 0 | 0 | 25 | 6 | 0 | s. | J. H. Bickford. |
| Post..... | Garza..... | 2,700 | 3 | | | | | | | | 0.18 | | 0.16 | 0 | 2 | 19 | 8 | 4 | s. | W. T. Mann. |
| Putnam..... | Callahan..... | 1,591 | 2 | | | | | | | | 3.20 | | 2.80 | 0 | 2 | | | | s. | S. M. Davis. |
| Raymondville..... | Cameron..... | 2 | 2 | 76.4 | | 96 | 17 | 55 | 8† | 34 | 3.93 | | 2.61 | 0 | 3 | 16 | 15 | 0 | se. | C. H. Pease. |
| Ricardo..... | Nueces..... | 57 | 4 | 75.8 | | 94 | 17† | 53 | 13 | 36 | 1.15 | | 0.80 | 0 | 2 | 19 | 4 | 8 | se. | J. S. Lehman. |
| Rio Grande..... | Starr..... | 31 | 3 | | | | | | | | 2.50 | + 0.13 | 1.20 | 0 | 3 | 19 | 4 | 8 | se. | D. N. Garza. |
| Riverside..... | Walker..... | 169 | 9 | | | | | | | | 4.38 | | 1.85 | 0 | 5 | 24 | 1 | 6 | s. | Mrs. C. W. Higdon. |
| Rockland..... | Tyler..... | 136 | 9 | | | | | | | | 3.60 | | 1.60 | 0 | 5 | 9 | 9 | 13 | s. | Mack Dunkin. |
| Rockport..... | Araucaria..... | 12 | 12 | 75.8 | + 0.3 | 86 | 20† | 64 | 7 | 14 | 0.30 | - 3.03 | 0.30 | 0 | 1 | 20 | 6 | 5 | se. | Mrs. G. Grewe. |
| Rossville..... | Atascosa..... | 558 | 6 | 73.6 | | 94 | 16 | 56 | 15 | 34 | 4.31 | | 2.36 | 0 | 4 | 21 | 8 | 2 | se. | W. F. M. Ross. |
| Runge..... | Karnes..... | 308 | 18 | | | | | | | | 0.16 | - 5.33 | 0.16 | 0 | 1 | | | | s. | Reiffert & Froese. |
| Sabinal..... | Uvalde..... | 964 | 9 | 76.1 | | 97 | 17 | 56 | 7 | 36 | 3.50 | | 2.76 | 0 | 3 | 12 | 16 | 3 | se. | H. W. Reilly. |
| Salado..... | Bell..... | | 22 | 76.0† | + 2.3 | 101 | 26† | 48 | 12 | 43 | 5.67 | + 2.51 | 3.20 | 0 | 5 | 20 | 6 | 5 | s. | L. M. Crockett. |
| San Angelo..... | Tom Green..... | 1,847 | 22 | 75.6 | + 0.8 | 95 | 27 | 56 | 7 | 33 | 2.88 | - 0.08 | 1.90 | 0 | 4 | 20 | 9 | 2 | se. | Sam Crowther. |
| San Antonio..... | Bexar..... | 701 | 28 | 71.6 | | 93 | 31 | 50 | 24† | 36 | 2.30 | | 0.73 | 0 | 8 | 19 | 6 | 6 | se. | U. S. Weather Bureau. |
| San Augustine..... | San Augustine..... | 360 | 4 | 79.1 | | 100 | 17 | 58 | 6† | 36 | 3.64 | | 2.35 | 0 | 4 | 7 | 3 | 21 | se. | F. A. Wilson. |
| San Juanito..... | Hidalgo..... | 588 | 20 | 73.4 | - 0.8 | 93 | 27 | 54 | 1 | 35 | 2.02 | - 2.11 | 0.72 | 0 | 5 | 17 | 0 | 14 | s. | J. B. McAllen. |
| San Marcos..... | Hays..... | 1,712 | 12 | 73.4 | + 0.8 | 97 | 17† | 47 | 7 | 39 | 2.21 | - 1.60 | 0.94 | 0 | 7 | 23 | 1 | 7 | s. | Miss L. C. Ford. |
| San Saba..... | San Saba..... | 1,744 | 13 | | | | | | | | 4.00 | | 2.90 | 0 | 5 | 11 | 7 | 13 | s. | Jas. Burns. |
| Santa Anna..... | Coleman..... | | | | | | | | | | | | | | | | | | s. | L. L. Shield. |
| Santa Gertrudes..... | Nueces..... | 201 | 2 | | | | | | | | 1.84 | | 0.82 | 0 | 5 | 17 | 6 | 8 | s. | J. B. Wright, jr. |
| Sealy..... | Austin..... | 1,320 | 7 | | | | | | | | | | | | | | | | | |

[illegible]

TABLE 2.—Daily precipitation for May, 1913. District No. 8—Continued.

[illegible]

| Stations | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|---------------------|-----------------|---------------|------|-----|------|------|-----|---|---|-----|----|----|----|----|------|------|-----|-----|----|------|------|------|------|-----|----|----|----|----|----|----|----|----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Texas—Continued. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hewitt..... | Brazos..... | | | T. | T. | T. | | | | | | | | | T. | .03 | | | | | .23 | | 1.02 | | | | | | | | | | 1.28 | |
| Hico..... | do..... | | | | .83 | | | | | | | | | | | | | T. | | | .18 | 2.83 | | | | | | | | | | | 3.84 | |
| Hillsboro..... | do..... | | | | 1.38 | | | | | | | | | | | .07 | | | | | .94 | | | | | | | | | | | | 2.39 | |
| Hondo \|\|..... | Nueces..... | | 2.25 | .05 | | | | | | | | | | | | | | | | 1.45 | .45 | .36 | | | | | | | | | | | 4.56 | |
| Houston..... | Coast..... | | T. | .03 | | .75 | | | | | | | | T. | T. | .10 | | | | .71 | .29 | 1.68 | | | | | | | | | | | 3.56 | |
| Huntsville \|\|..... | Trinity..... | | | | T. | 1.38 | | | | | | | | | | 1.11 | | | | | .18 | .23 | T. | T. | | | | | | | | | 2.90 | |
| Jayton..... | Brazos..... | | .70 | | T. | | | | | | | | | | | 1.75 | | | | | | .50 | | | | | | | | | | | 0.70 | |
| Jewett \|\|..... | Trinity..... | | | T. | | .30 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | 2.00 | |
| Junction..... | Colorado..... | | | .25 | 1.35 | | | | | | | | | | 1.00 | | | | | | .25 | | | | | | | | | | | | 2.00 | |
| Kaufman..... | Trinity..... | | | | T. | .92 | | | | | | | | | | .50 | | | | | T. | T. | | | | | | | | | | | 1.42 | |
| Kerrville \|\|..... | Guadalupe..... | | | .93 | .58 | | | | | | | | | | | 2.04 | | | | | .51 | | 1.09 | | | | | | | | | | 5.15 | |
| Knickerbocker..... | Colorado..... | | T. | T. | 1.40 | | | | | | | | T. | | | | | T. | | .75 | .36 | | 1.45 | | | | | | | | | | 3.96 | |
| Kopperl \|\|..... | Brazos..... | | | | .60 | .50 | | | | | | | | | | | | | | | | | .30 | | | | | | | | | | 1.40 | |
| Lagrange..... | Colorado..... | | | .16 | .05 | .16 | | | | | | | | | | | .78 | | | | | .58 | .03 | .08 | | | | | | | | | 1.84 | |
| Lamesa..... | do..... | | | | | | | | | .30 | | | | | | | | | | | | | | | | | | | | | | | 0.30 | |
| Lampasas \|\|..... | Brazos..... | | | .92 | 1.56 | | | | | | | | | | | | .10 | | | | | .18 | .32 | | | | | | | | | | 3.08 | |
| La Parra..... | Coast..... | | | | | .30 | | | | | | | | | | | | | | | | 2.90 | | | | | | | | | | | 3.20 | |
| Laredo \|\|..... | Rio Grande..... | | | | | | .84 | | | | | | | | | .20 | .85 | .40 | | | | | | | | | | | | | | | 2.29 | |
| Laureles Ranch..... | Coast..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liberty..... | Trinity..... | | | | T. | | .47 | | | | T. | | | | | | | | | | | | | | | | | | | | | | | 3.43 |
| Llano..... | Colorado..... | | T. | .26 | 1.41 | .05 | | | | | | | | | | | .21 | | | .92 | 1.50 | .53 | .07 | | | | | | | | | | 3.39 | |
| Llano Grande..... | Rio Grande..... | | | | | .62 | | | | | | | | | | | | | | | 1.65 | .60 | | | | | | | | | | | 2.87 | |
| Long Lake \|\|..... | Trinity..... | | | | | .30 | | | | | | | | | | 1.30 | | | | | .40 | | | | | | | | | | | | | |

* Precipitation included in that of the next measurement.
 ‡ Separate dates of falls not recorded.
 † Precipitation for the 24 hours ending on the morning when it is measured.
 T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 8, Texas and Rio Grande Valley.

| Date. | Colorado. | | | | New Mexico. | | | | | | | | | | | | Texas. | | | | | | | | | | | |
|----------|-----------|------|-----------|------|-----------------------|------|-----------|------|---------------|------|---------------|------|------------|------|----------|------|-----------|------|-------------------|-------------------|----------|------|-------------|------|--------------|------|-----------------|------|
| | Garnett. | | San Luis. | | Agricultural College. | | Carlsbad. | | Fort Stanton. | | Mountain Air. | | Rosendale. | | Roswell. | | Santa Fe. | | Santa Rosa. | | Abilene. | | Big Spring. | | Brownsville. | | Corpus Christi. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | | | 64 | 33 | 78 | 41 | 91 | 45 | 75 | 31 | 72 | 42 | 66 | 42 | 83 | 53 | 66 | 45 | 80 | 50 | 79 | 64 | 83 | 60 | 80 | 68 | 75 | 69 |
| 2..... | | | 56 | 25 | 83 | 50 | 88 | 54 | 70 | 32 | 68 | 36 | 60 | 40 | 80 | 46 | 59 | 37 | 75 | 46 | 77 | 63 | 84 | 64 | 80 | 70 | 75 | 70 |
| 3..... | | | 56 | 22 | 79 | 39 | 83 | 54 | 66 | 34 | 64 | 32 | 53 | 32 | 75 | 45 | 55 | 36 | 72 | 47 | 81 | 57 | 81 | 57 | 78 | 70 | 74 | 71 |
| 4..... | | | 58 | 21 | 78 | 43 | 76 | 46 | 68 | 32 | 68 | 32 | 65 | 35 | 70 | 40 | 62 | 36 | 71 | 46 | 75 | 55 | 79 | 50 | 84 | 69 | 77 | 71 |
| 5..... | | | 66 | 23 | 82 | 38 | 86 | 40 | 74 | 34 | 78 | 36 | 70 | 38 | 83 | 38 | 68 | 39 | 77 | 39 | 78 | 52 | 84 | 47 | 84 | 68 | 78 | 71 |
| 6..... | | | 66 | 33 | 86 | 44 | 88 | 44 | 70 | 34 | 76 | 33 | 72 | 40 | 76 | 47 | 68 | 47 | 72 | 48 | 72 | 52 | 77 | 47 | 79 | 60 | 79 | 67 |
| 7..... | | | 68 | 33 | 86 | 50 | 86 | 48 | 73 | 36 | 81 | 32 | 72 | 40 | 83 | 49 | 70 | 48 | 77 | 45 | 76 | 51 | 83 | 47 | 81 | 64 | 79 | 66 |
| 8..... | | | 63 | 34 | 83 | 49 | 86 | 60 | 76 | 32 | 78 | 38 | 74 | 38 | 83 | 56 | 65 | 49 | 80 | 52 | 82 | 58 | 82 | 55 | 81 | 55 | 78 | 63 |
| 9..... | | | 61 | 32 | 85 | 40 | 89 | 50 | 76 | 34 | 70 | 38 | 73 | 40 | 84 | 48 | 70 | 43 | 76 | 50 | 81 | 58 | 85 | 57 | 82 | 57 | 75 | 66 |
| 10..... | | | 76 | 30 | 87 | 43 | 88 | 52 | 80 | 35 | 82 | 38 | 75 | 42 | 85 | 51 | 73 | 49 | 82 | 52 | 83 | 64 | 82 | 57 | 85 | 56 | 76 | 70 |
| 11..... | | | 67 | 30 | 88 | 43 | 95 | 54 | 80 | 35 | 81 | 41 | 78 | 44 | 92 | 47 | 74 | 43 | 88 | 48 | 88 | 60 | 87 | 57 | 86 | 60 | 78 | 66 |
| 12..... | | | 61 | 34 | 89 | 44 | 96 | 52 | 82 | 34 | 78 | 46 | 78 | 52 | 93 | 44 | 74 | 47 | 90 | 47 | 93 | 66 | 98 | 57 | 84 | 62 | 79 | 68 |
| 13..... | | | 64 | 33 | 82 | 56 | 95 | 61 | 80 | 33 | 78 | 43 | 70 | 54 | 89 | 51 | 68 | 47 | 85 | 50 | 91 | 67 | 92 | 64 | 84 | 65 | 79 | 72 |
| 14..... | | | 68 | 32 | 80 | 46 | 99 | 59 | 78 | 35 | 72 | 40 | 70 | 42 | 83 | 47 | 62 | 38 | 77 | 52 | 89 | 66 | 95 | 62 | 83 | 71 | 80 | 74 |
| 15..... | | | 66 | 24 | 82 | 39 | 87 | 55 | 80 | 36 | 78 | 27 | 71 | 37 | 80 | 50 | 65 | 37 | 78 | 42 | 77 | 59 | 86 | 62 | 85 | 73 | 79 | 73 |
| 16..... | | | 70 | 28 | 86 | 40 | 92 | 44 | 82 | 28 | 79 | 38 | 76 | 44 | 88 | 41 | 72 | 39 | 88 | 52 | 88 | 52 | 95 | 58 | 85 | 72 | 80 | 71 |
| 17..... | | | 71 | 31 | 89 | 40 | 96 | 45 | 81 | 34 | 84 | 44 | 75 | 50 | 91 | 46 | 76 | 45 | 85 | 53 | 95 | 69 | 99 | 60 | 88 | 67 | 81 | 72 |
| 18..... | | | 69 | 40 | 88 | 41 | 95 | 53 | 82 | 40 | 84 | 45 | 78 | 47 | 84 | 60 | 74 | 52 | 83 | 54 | 91 | 69 | 99 | 57 | 87 | 69 | 81 | 75 |
| 19..... | | | 61 | 36 | 83 | 52 | 94 | 55 | 78 | 35 | 80 | 45 | 74 | 50 | 89 | 54 | 71 | 47 | 86 | 53 | 87 | 63 | 98 | 64 | 86 | 73 | 81 | 75 |
| 20..... | | | 65 | 24 | 85 | 48 | 93 | 47 | 78 | 36 | 79 | 45 | 75 | 38 | 88 | 49 | 68 | 43 | 81 | 54 | 84 | 63 | 95 | 64 | 84 | 73 | 80 | 76 |
| 21..... | | | 66 | 30 | 89 | 45 | 93 | 49 | 82 | 46 | 78 | 48 | 76 | 48 | 87 | 49 | 72 | 50 | 83 | 55 | 86 | 67 | 94 | 66 | 86 | 66 | 78 | 68 |
| 22..... | | | 70 | 29 | 87 | 49 | 91 | 52 | 76 | 38 | 78 | 43 | 78 | 50 | 82 | 58 | 73 | 47 | 78 | 55 | 78 | 62 | 84 | 66 | 85 | 64 | 82 | 71 |
| 23..... | | | 75 | 42 | 90 | 63 | 92 | 51 | 72 | 33 | 86 | 42 | 76 | 50 | 86 | 49 | 72 | 54 | 89 | 48 | 83 | 56 | 91 | 54 | 83 | 65 | 80 | 68 |
| 24..... | | | 77 | 47 | 90 | 59 | 95 | 56 | 74 | 37 | 84 | 47 | 70 | 50 | 91 | 52 | 79 | 51 | 94 | 49 | 86 | 60 | 94 | 64 | 85 | 57 | 80 | 66 |
| 25..... | | | 77 | 35 | 91 | 55 | 98 | 57 | 84 | 39 | 86 | 46 | 80 | 50 | 93 | 56 | 78 | 53 | 93 | 63 | 92 | 64 | 101 | 66 | 88 | 56 | 77 | 72 |
| 26..... | | | 78 | 35 | 95 | 55 | 102 | 65 | 85 | 40 | 92 | 45 | 70 | 52 | 97 | 59 | 77 | 53 | 92 | 51 | 98 | 68 | 105 | 67 | 87 | 60 | 79 | 67 |
| 27..... | | | 74 | 47 | 91 | 63 | 98 | 62 | 74 | 40 | 79 | 48 | 68 | 50 | 88 | 64 | 74 | 51 | 87 | 57 | 92 | 67 | 97 | 67 | 87 | 60 | 80 | 65 |
| 28..... | | | 70 | 40 | 90 | 58 | 97 | 60 | 84 | 39 | 82 | 46 | 75 | 45 | 92 | 58 | 78 | 52 | 90 | 57 | 96 | 67 | 101 | 61 | 82 | 61 | 81 | 66 |
| 29..... | | | 75 | 38 | 93 | 48 | 100 | 58 | 82 | 35 | 86 | 44 | 78 | 54 | 96 | 56 | 77 | 55 | 93 | 55 | 94 | 70 | 97 | 70 | 86 | 66 | 80 | 74 |
| 30..... | | | 73 | 35 | 93 | 48 | 96 | 62 | 84 | 36 | 90 | 42 | 80 | 46 | 91 | 60 | 78 | 55 | 89 | 55 | 92 | 67 | 97 | 71 | 86 | 70 | 79 | 73 |
| 31..... | | | 77 | 39 | 94 | 53 | 93 | 57 | 78 | 37 | 83 | 44 | 80 | 50 | 91 | 56 | 77 | 51 | 90 | 53 | 93 | 67 | 98 | 68 | 89 | 74 | 82 | 75 |
| Mns..... | | | 68.2 | 32.7 | 86.5 | 47.8 | 92.2 | 53.1 | 77.5 | 35.5 | 79.2 | 40.8 | 72.8 | 44.8 | 86.2 | 50.9 | 70.8 | 46.4 | 83.1 ^a | 50.9 ^a | 85.7 | 61.7 | 91.1 | 60.2 | 84.2 | 65.2 | 78.8 | 70.0 |

| Date. | Texas. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|----------|------|----------|------|----------------|------|----------------|------|-------------|------|------------|------|----------------|------|----------|------|---------|------|------------|------|------------|------|--------------|------|----------|------|---------|------|
| | Del Rio. | | El Paso. | | Fort McIntosh. | | Fort Stockton. | | Fort Worth. | | Galveston. | | Hallettsville. | | Houston. | | Lufkin. | | Palestine. | | Plainview. | | San Antonio. | | Seymour. | | Taylor. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 84 | 66 | 80 | 60 | 91 | 70 | 90 | 61 | 81 | 59 | 75 | 68 | 83 | 62 | 81 | 60 | 85 | 55 | 82 | 60 | 81 | 55 | 81 | 65 | 80 | 63 | 82 | 63 |
| 2..... | 83 | 65 | 79 | 54 | 90 | 70 | 90 | 61 | 77 | 62 | 76 | 70 | 79 | 64 | 79 | 64 | 78 | 56 | 79 | 60 | 83 | 61 | 77 | 67 | 78 | 63 | 77 | 65 |
| 3..... | 73 | 64 | 69 | 50 | 91 | 67 | 78 | 55 | 74 | 58 | 75 | 70 | 78 | 68 | 77 | 67 | 76 | 64 | 80 | 59 | 74 | 65 | 70 | 59 | 73 | 63 | 73 | 63 |
| 4..... | 87 | 60 | 73 | 47 | 96 | 64 | 78 | 48 | 74 | 55 | 73 | 71 | 80 | 69 | 76 | 70 | 84 | 63 | 76 | 67 | 71 | 49 | 84 | 68 | 78 | 56 | 77 | 58 |
| 5..... | 91 | 55 | 81 | 53 | 98 | 66 | 88 | 46 | 79 | 54 | 76 | 60 | 87 | 71 | 82 | 56 | 84 | 58 | 78 | 59 | 75 | 47 | 88 | 60 | 75 | 51 | 83 | 59 |
| 6..... | 88 | 62 | 82 | 58 | 95 | 64 | 82 | 52 | 71 | 55 | 76 | 65 | 79 | 65 | 75 | 61 | 79 | 58 | 70 | 55 | 75 | 45 | 83 | 62 | 73 | 52 | 75 | 57 |
| 7..... | 84 | 55 | 84 | 61 | 92 | 66 | 86 | 51 | 75 | 52 | 75 | 65 | 80 | 59 | 78 | 60 | 77 | 60 | 75 | 58 | 77 | 44 | 84 | 56 | 75 | 50 | 80 | 54 |
| 8..... | 86 | 60 | 83 | 58 | 91 | 58 | 86 | 61 | 82 | 57 | 75 | 65 | 84 | 57 | 81 | 61 | 84 | 56 | 81 | 56 | 78 | 47 | 84 | 58 | 80 | 56 | 84 | 56 |
| 9..... | 87 | 66 | 85 | 49 | 90 | 58 | 87 | 55 | 83 | 60 | 76 | 69 | 85 | 58 | 82 | 62 | 86 | 58 | 83 | 58 | 82 | 50 | 84 | 61 | 83 | 61 | 84 | 57 |
| 10..... | 87 | 63 | 88 | 50 | 93 | 65 | 90 | 57 | 86 | 62 | 77 | 69 | 86 | 58 | 84 | 62 | 90 | 58 | 85 | 58 | 77 | 50 | 84 | 63 | 84 | 63 | 84 | 57 |
| 11..... | 92 | 63 | 88 | 52 | 95 | 65 | 98 | 57 | 88 | 61 | 77 | 69 | 87 | 60 | 85 | 62 | 87 | 57 | 85 | 62 | 87 | 54 | 88 | 62 | 88 | 60 | 87 | 60 |
| 12..... | 94 | 66 | 89 | 56 | 97 | 66 | 100 | 64 | 91 | 67 | 78 | 71 | 88 | 60 | 85 | 63 | 89 | 60 | 86 | 63 | 95 | 50 | 89 | 65 | 94 | 67 | 88 | 61 |
| 13..... | 88 | 66 | 82 | 65 | 102 | 62 | 95 | 64 | 88 | 64 | 79 | 72 | 88 | 63 | 84 | 65 | 87 | 61 | 84 | 63 | 90 | 60 | 86 | 66 | 94 | 66 | 86 | 64 |
| 14..... | 89 | 68 | 80 | 59 | 98 | 63 | 93 | 58 | 87 | 68 | 80 | 73 | 88 | 69 | 84 | 68 | 88 | 61 | 85 | 67 | 87 | 59 | 87 | 69 | 87 | 69 | 87 | 68 |
| 15..... | 88 | 69 | 81 | 54 | 95 | 71 | 90 | 57 | 84 | 58 | 78 | 74 | 86 | 72 | 80 | 72 | 84 | 63 | 81 | 59 | 79 | 45 | 86 | 59 | 84 | 63 | 84 | 60 |
| 16..... | 92 | 60 | 85 | 50 | 101 | 66 | 96 | 55 | 85 | 59 | 78 | 63 | 88 | 63 | 83 | 63 | 88 | 60 | 81 | 59 | 89 | 48 | 88 | 59 | 88 | 59 | 83 | 58 |
| 17..... | 94 | 68 | 89 | 61 | 103 | 57 | 100 | 57 | 96 | 67 | 80 | 73 | 91 | 68 | 86 | 67 | 90 | 60 | 87 | 66 | 93 | 47 | 94 | 67 | 86 | 63 | 86 | 63 |
| 18..... | 97 | 66 | 89 | 53 | 98 | 68 | 98 | 55 | | | | | | | | | | | | | | | | | | | | |

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 9, COLORADO VALLEY.

FREDERICK H. BRANDENBURG, District Editor.

GENERAL SUMMARY.

May was warmer than the normal, except in Arizona and the western part of New Mexico. The extremes of temperature were not unusual in the northern and central parts of the district, but in Arizona and New Mexico the high temperatures common to May did not occur. The feature of the month was the light precipitation. The amount was about 38 per cent of the normal, and this in view of the fact that May, normally in the Colorado Basin, is the driest month in the year. Low pressure prevailed almost continuously. Several depressions were strong enough to move eastward across the mountains, but the attending precipitation was light and scattered, the passage of the depressions being manifested principally by temperature changes and wind storms. As a result of the prolonged drought, grass on the ranges has become dry unusually early in practically all parts of the district. There was a marked excess of sunshine.

TEMPERATURE.

The mean temperature for the stations reporting was 60°, or 0.3° above the normal. The mean for May, 1912, was 58°. The highest monthly mean was 79.7° at Mohawk Summit, Ariz., and the lowest, 33.2°, at Corona, Colo. The cold and warm periods were more sharply defined than usual for the time of year. The first four days were much colder than the normal; it was during this period that the lowest temperatures of the month occurred. Freezing temperatures occurred in western Wyoming and at practically all the stations in western Colorado, eastern Utah, western New Mexico, and three-fourths of the stations in Arizona. Cold spells, but not so severe, also occurred on the 14th, 15th, 19th, 20th, and in the southern half of the district on the last four days.

Details of temperature are summarized in the following table:

| Areas of States in district No. 9. | Temperature. | | | | | |
|------------------------------------|--------------|------------------------|-----------|------------------|----------|---------------------|
| | Mean. | Departure from normal. | High-est. | Station. | Low-est. | Station. |
| Western Wyoming.. | 48.2 | +3.7 | 85 | Green River.. | 9 | Willow Creek Cabin. |
| Western Colorado.... | 52.4 | +2.5 | 95 | At 2 stations... | 12 | At 2 stations. |
| Eastern Utah..... | 58.2 | +1.9 | 106 | Vernal..... | 12 | Seofield. |
| Western New Mexico. | 59.0 | -0.2 | 95 | At 2 stations.. | 15 | Luna. |
| Arizona..... | 66.0 | -1.5 | 107 | Maricopa..... | 15 | Flagstaff No. 1. |
| Southeastern Nevada. | 65.7 | +6.0 | 100 | Logan..... | 22 | Calliente. |

Temperatures were normal or slightly above from the 5th to 12th in the southern and central parts, but in the northern part of the district the excess was more pronounced. From the 22d to the 27th a marked excess was general, and the highest temperatures of the month occurred during this period. Readings of 90° or higher were common, except in western Wyoming. The highest temperature, 107°, occurred at Maricopa, Ariz., on the 23d, and the lowest, 9°, at Willow Creek Cabin, Wyo., on the 3d.

PRECIPITATION.

The average for the 207 stations reporting was 0.21 inch, 0.35 inch less than the normal. The average for May, 1912, was 0.49 inch. Of the stations with normals, only 7 reported an excess, and that slight. The local character of the precipitation is shown by the fact that rain fell somewhere in the district every day but two, yet an appreciable amount did not occur at 2 stations in western Colorado, 8 in eastern Utah, 5 in western New Mexico, 1 in southeastern Nevada, and 35, or 40 per cent, of the stations in Arizona. The greatest monthly amount was 3.09 inches at Corona, Colo. Monthly snowfalls of 2 inches or more occurred at 3 stations in western Wyoming, 15 in western Colorado, and 2 in eastern Utah. The greatest monthly fall, 14.5 inches, occurred at Willow Creek Cabin, Wyo. The average number of days with 0.01 inch or more precipitation was 5 in western Wyoming, 4 in western Colorado, and 1 each in eastern Utah and western New Mexico, and no day in Arizona and southeastern Nevada. For the district as a whole the average was 1 day.

The average precipitation and departures from the normal on the different watersheds are given in the following table:

Watershed.

| Green. | | Grand. | | San Juan. | | Little Colorado. | | Gila. | | Mimbres. | | Colorado proper. | |
|----------|------------|----------|------------|-----------|------------|------------------|------------|----------|------------|----------|------------|------------------|------------|
| Average. | Departure. | Average. | Departure. | Average. | Departure. | Average. | Departure. | Average. | Departure. | Average. | Departure. | Average. | Departure. |
| 0.46 | -0.53 | 0.51 | -0.70 | 0.18 | -0.58 | 0.02 | -0.55 | 0.09 | -0.15 | 0.15 | -0.01 | 0.05 | -0.43 |

MISCELLANEOUS.

The average amount of sunshine, in percentages, with departures from the normal was as follows: Grand Junction, 80, +9; Durango, 86, +8; Phoenix, 93, +2; and Yuma, 98, +3.

The relative humidity reported was: Grand Junction, 34; Durango, 36; Phoenix, 26; and Yuma, 40 per cent.

THE COLORADO RIVER.

For May the volume discharged by the Grand River at Fruita was the average for the last six years; that of the Green River at Elgin, Utah, slightly below the average. In the lower reaches of the trunk stream the discharge was somewhat below the average. As is usual at the time of year, the changes in temperature at high altitudes were reflected in the fluctuations of the streams. In the San Juan and Grand, two of the three streams forming the

Colorado, there was a general rise until the 14th, followed by a steady fall till the 23d. The Green, however, maintained a more steady discharge, and in common with the Grand and San Juan, rose after the 23d. The maximum stage in the San Juan was reached on the 28th, while in the Grand and Green the highest occurred on the 31st. In the lower reaches the maximum stage at Topock, 10.1 feet, occurred on the 20th; at Yuma the highest stage, 20.4 feet, occurred on the 23d. These stages are the lowest for May in five years.

TABLE 1.—Climatological data for May, 1913. District No. 9, Colorado Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | | |
|------------------------------|-----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------|-----------------------|-------------------------------|----------------------------|------------|-----------------------------|------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. | |
| Wyoming. | | | | | | | | | | | | | | | | | | | | | |
| Big Piney..... | Lincoln..... | 6,800 | | | | | | | | | | | | | | | | | | Ira Dodge. | |
| Daniel..... | do..... | 6,740 | 14 | 46.6 | + 3.7 | 79 | 26 | 10 | 3 | 47 | 1.56 | + 0.28 | 0.80 | 8.0 | 4 | 2 | 6 | 23 | nw. | J. M. Van Dervort. | |
| Eden..... | Sweetwater..... | 6,577 | 4 | 49.0 | | 80a | 26 | 13a | 3 | 48a | 0.22 | | 0.10 | 0.5 | 3 | 9a | 15a | 6a | w. | Eden Val. L. & I. Co. | |
| Green River..... | do..... | 6,083 | 8 | 54.4 | | 85 | 25 | 25 | 3 | 40 | 0.10 | | 0.03 | 0.3 | 4 | 5 | 20 | 6 | w. | Geo. H. Maxom. | |
| Pinedale..... | Fremont..... | 7,167 | 7 | 47.2 | | 78a | 26 | 10a | 3 | 49a | 0.95 | | 0.60 | 8.0 | 6 | 6a | 19a | 2a | nw. | U. S. Forest Service. | |
| Wamsutter..... | Sweetwater..... | 6,702 | | 51.9 | | 84 | 25 | 19 | 2 | 47 | 0.12 | | 0.04 | T. | 5 | 10 | 10 | 11 | w. | T. C. Sherman. | |
| Willow Creek Cabin..... | Fremont..... | 7,500 | 4 | 40.2 | | 74 | 26 | 9 | 3 | 40 | 1.91 | | 0.84 | 14.5 | 7 | 11 | 4 | 7 | nw. | U. S. Forest Service. | |
| Colorado. | | | | | | | | | | | | | | | | | | | | | |
| Ashcroft..... | Pitkin..... | 9,483 | 11 | 47.4b | + 5.7 | 73b | 29 | 18b | 15 | 47b | | | | | | | | | | Dan McArthur. | |
| Blue Valley Ranch..... | Grand..... | | | | | | | | | | | | | | | | | | | L. R. Hubbard. | |
| Breckenridge..... | Summit..... | 9,536 | 24 | 41.4 | + 2.4 | 71 | 18 | 14 | 5 | 50 | | | | | | 10 | 9 | 3 | | Albert S. McCullough. | |
| Buford..... | Rio Blanca..... | | 2 | | | | | | | | | | | | | | | | | Mrs. H. Genier. | |
| Cascade..... | San Juan..... | 8,900 | 6 | | | | | | | | 0.24 | | 0.08 | 0 | 5 | 20 | 8 | 3 | | The Western Colo. Power Co. | |
| Cedaredge..... | Delta..... | 6,175 | 15 | 58.4 | + 2.5 | 85 | 26 | 26 | 3 | 41 | 0.14 | - 0.69 | 0.08 | T. | 2 | 16 | 12 | 3 | | Harry A. Cobbett. | |
| Cochetopa..... | Saguache..... | 9,088 | 4 | | | | | | | | 0.27 | | 0.22 | T. | 2 | 5a | 13a | 12a | w. | Miss Bessie McDonough. | |
| Collbran..... | Mesa..... | 6,000 | 20 | 56.3 | + 2.9 | 83 | 26 | 27 | 3 | 38 | 0.47 | - 0.92 | 0.26 | T. | 3 | 21 | 9 | 1 | sw. | A. A. Wood. | |
| Columbine..... | Routt..... | 8,766 | 3 | | | | | | | | 1.46 | | 0.90 | 4.0 | 7 | 17 | 12 | 2 | sw. | Mrs. Martha A. Caron. | |
| Columbine Ranch..... | Delta..... | 6,925 | 3 | | | | | | | | 0.14 | | 0.14 | 0 | 1 | 21 | 6 | 4 | s. | George W. Wade. | |
| Corona..... | Grand..... | 11,660 | 6 | 33.2 | | 53 | 31 | 12 | 3 | 25 | 3.09 | | 0.65 | 13 | | | | | w. | U. S. Weather Bureau. | |
| Cortez..... | Montezuma..... | 6,100 | 2 | 56.2 | | 85 | 23a | 24 | 4 | 46 | T. | | T. | 0 | 0 | 31 | 0 | 0 | sw. | W. G. Clucas. | |
| Crawford (near)..... | Montrose..... | 6,600 | 3 | 55.0 | | 80 | 29 | 22 | 3 | 37 | 0.40 | | 0.29 | 0 | 2 | 19 | 9 | 3 | | C. W. Roe. | |
| Crested Butte..... | Gunnison..... | 8,867 | 3 | 43.6 | | 72 | 29a | 15 | 3a | 44 | 0.59 | | 0.22 | 0 | 5 | 12 | 10 | 9 | w. | Charles L. Ross. | |
| Delta..... | Delta..... | 4,965 | 23 | 60.9 | + 2.0 | 94 | 26 | 29 | 3 | 53 | 0.30 | - 0.33 | 0.09 | 0 | 5 | 19 | 11 | 1 | | E. M. Getts. | |
| Dillon..... | Summit..... | 8,800 | 3 | 42.0 | | 73 | 30a | 13 | 4 | 50 | 0.42 | | 0.13 | 3.0 | 6 | 10 | 10 | 11 | sw. | Mrs. Nannie B. Strong. | |
| Durango..... | La Plata..... | 6,534 | 18 | 55.2 | + 0.2 | 83 | 23 | 28 | 4 | 43 | 0.74 | - 0.40 | 0.67 | 0 | 2 | 11 | 18 | 2 | nw. | U. S. Weather Bureau. | |
| Eureka..... | San Juan..... | 10,000 | 6 | | | | | | | | 0.52 | | 0.22 | 2.0 | 4 | 13 | 13 | 5 | s. | The Western Colo. Power Co. | |
| Graser..... | Grand..... | 8,560 | 4 | 40.0 | | 71 | 27a | 12 | 3 | 52 | 0.87 | | 0.20 | 3.0 | 7 | 18 | 0 | 13 | n. | L. D. C. Gaskill. | |
| Fruita..... | Mesa..... | 4,510 | 14 | 61.4 | + 2.7 | 92 | 26 | 27 | 4 | 50 | 0.15 | - 0.76 | 0.06 | 0 | 4 | 19 | 10 | 2 | sw. | J. B. Willsea. | |
| Flade Park..... | do..... | 7,000 | 2 | | | | | | | | 0.49 | | 0.20 | 4.2 | 3 | 20 | 9 | 2 | sw. | A. F. Terrill. | |
| Gladstone..... | San Juan..... | 10,400 | 6 | | | | | | | | 0.36 | | 0.26 | 3.3 | 6 | 8 | 13 | 10 | ne. | The Western Colo. Power Co. | |
| Glenwood Springs (near)..... | Garfield..... | 5,823 | 15 | 53.8 | + 0.1 | 86 | 31 | 23 | 4 | 49 | 0.18 | - 0.68 | 0.18 | 0 | 1 | 25 | 4 | 2 | | E. A. O'Neil. | |
| Grand Junction..... | Mesa..... | 4,602 | 22 | 64.0 | + 2.4 | 90 | 26 | 34 | 4 | 37 | 0.12 | - 0.80 | 0.06 | 0 | 4 | 15 | 10 | 6 | se. | U. S. Weather Bureau. | |
| Grandlake..... | Grand..... | 8,153 | 5 | | | | | | | | 1.28 | | 0.38 | 4.5 | 5 | 17 | 9 | 5 | w. | Mrs. Belle Kauffman. | |
| Grand Valley..... | Garfield..... | 5,089 | 21 | 60.8 | + 3.6 | 95 | 26 | 29 | 15 | 54 | 0.29 | - 0.83 | 0.22 | 0 | 2 | 10 | 15 | 6 | | David Evans. | |
| Gunnison..... | Gunnison..... | 7,670 | 20 | 48.6 | + 0.8 | 80 | 31 | 14 | 4 | 52 | 0.04 | - 0.60 | 0.04 | 0 | 1 | 20 | 11 | 0 | sw. | Clarence Adams. | |
| Hayden..... | Routt..... | 6,337 | | 52.8 | | 82 | 26 | 20 | 3 | 45 | 0.25 | | 0.09 | 0 | 3 | 7 | 17 | 7 | w. | A. W. Friederich. | |
| Hesperus (near)..... | La Plata..... | 7,610 | 1 | | | | | | | | 0.04 | | 0.04 | 0 | 1 | 11 | 13 | 7 | | G. F. Snyder. | |
| Horseshoe..... | Montrose..... | 8,700 | 3 | | | | | | | | 0.85 | | 0.48 | 2.0 | 2 | 21 | 8 | 2 | sw. | Lawrence J. Finch. | |
| Ironton..... | Ouray..... | 10,000 | 3 | | | | | | | | 0.36 | | 0.36 | T. | 1 | 9 | 16 | 6 | se. | Mrs. Amanda E. Foley. | |
| Lake City..... | Hinsdale..... | 8,686 | 8 | 48.4 | | 76 | 26 | 20 | 4 | 39 | 0.44 | | 0.18 | 2.5 | 9 | 12 | 11 | 8 | s. | J. F. Maurer. | |
| Lay..... | Moffat..... | 6,190 | 19 | 53.3 | + 3.5 | 83 | 26 | 16 | 12 | 60 | 0.40 | - 0.83 | 0.15 | 0 | 4 | 13 | 13 | 5 | sw. | A. G. Wallihan. | |
| Mancos..... | Montezuma..... | 6,060 | 14 | 55.0 | + 3.8 | 83 | 27 | 21 | 5 | 55 | T. | - 1.19 | T. | 0 | 0 | 11 | 14 | 6 | w. | Miss Gertrude Rickner. | |
| Marble..... | Gunnison..... | 7,951 | 4 | 49.4 | | 77 | 30 | 16 | 3 | 43 | 0.54 | | 0.18 | 3.0 | 4 | 22 | 6 | 3 | ne. | F. E. Morse. | |
| Marshall Pass..... | Saguache..... | 10,846 | 10 | | | | | | | | 0.47 | | 0.46 | 1.7 | 2 | 3 | 9 | 16 | 6 | sw. | Wm. L. Williams. |
| Meeker (near)..... | Rio Blanca..... | 6,182 | 21 | 53.1 | + 1.8 | 81 | 26a | 19 | 4 | 54 | 0.46 | - 0.89 | 0.25 | T. | 4 | 20 | 9 | 2 | sw. | T. Baker. | |
| Montrose..... | Montrose..... | 5,811 | 24 | 59.2 | + 4.4 | 86 | 12a | 26 | 3 | 45 | 0.57 | - 0.13 | 0.34 | 0 | 4 | 15 | 13 | 3 | | U. S. Reclamation Service. | |
| Nast..... | Pitkin..... | 7,953 | 3 | 46.2 | | 76 | 29 | 18 | 3a | 45 | 0.18 | | 0.12 | 3.0 | 2 | 14 | 13 | 4 | w. | Arthur Hanthorn. | |
| Pagosa Springs..... | Archuleta..... | 7,108 | 6 | 48.6 | | 84 | 26 | 14 | 4a | 53 | 0.08 | | 0.08 | 0 | 1 | 16 | 15 | 0 | sw. | E. T. Walker. | |
| Palisades..... | Mesa..... | 4,729 | 2 | 63.5 | | 95 | 26 | 30 | 4 | 49 | 0.34 | | 0.20 | 0 | 3 | 15 | 12 | 4 | | E. P. Updegraff. | |
| Paonia..... | Delta..... | 5,694 | 18 | 60.2 | + 1.8 | 91 | 26 | 26 | 3 | 43 | 0.40 | - 0.88 | 0.25 | 0 | 2 | 11 | 19 | 1 | sw. | J. M. Underwood. | |
| Pitkin..... | Gunnison..... | 9,500 | 4 | | | | | | | | 0.19 | | 0.07 | T. | 3 | 14 | 10 | 7 | | Mrs. Maggie Cammann. | |
| Pyramid..... | Rio Blanca..... | | 2 | | | | | | | | | | | | | | | | | E. E. Egry. | |
| Redcliff..... | Eagle..... | 8,695 | | | | | | | | | | | | | | | | | | Dorothy Greiner. | |
| Redvale..... | Montrose..... | 6,300 | | 56.2 | | 82 | 23a | 20 | 3 | 38 | 0.60 | | 0.33 | 0 | 2 | 18 | 10 | 3 | sw. | Dr. E. S. C. Foster. | |
| Rico..... | Dolores..... | 8,824 | 11 | | | | | | | | 0.34 | - 1.25 | 0.13 | 1.0 | 5 | 21 | 8 | 2 | s. | Clinton B. Smith. | |
| Rifle..... | Garfield..... | 5,437 | 2 | 59.2 | | 88 | 26a | 27 | 4 | 50 | 0.18 | | 0.09 | 0 | 2 | 14 | 6 | 11 | sw. | Herman Eiche. | |
| River Portal..... | Montrose..... | 6,570 | 7 | 59.0 | | 88 | 30 | 30 | 1 | 44 | 0.31 | | 0.31 | 0 | 1 | 28 | 2 | 1 | | U. S. Reclamation Service. | |
| Sapinero (near)..... | Gunnison..... | 8,125 | 10 | 47.5 | + 2.5 | 75 | 26 | 18 | 3 | 40 | 0.69 | - 0.83 | 0.25 | 3.9 | 6 | 17 | 7 | 7 | w. | W. F. Irving. | |
| Shoshone..... | Garfield..... | 6,110 | 3 | 59.0 | | 85 | 29 | 34 | 4 | 40 | 0.44 | | 0.25 | 0 | 6 | 12 | 13 | 6 | | Central Colorado Power Co. | |
| Silverton (near)..... | San Juan..... | 9,400 | 6 | 41.8 | | 69 | 22a | 16 | 4a | 46 | 0.28 | | 0.20 | T. | 2 | 9 | 19 | 3 | sw. | The Western Colo. Power Co. | |
| Spruce Lodge..... | Grand..... | 9,600 | 5 | | | | | | | | 2.00 | | 0.45 | 9.0 | 11 | 5 | 20 | 6 | n. | H. J. Wills. | |
| Steamboat Springs..... | Routt..... | 6,683 | 10 | 50.4 | + 2.0 | 82 | 29 | 19 | 4 | 50 | 1.53 | - 0.19 | 0.52 | 0 | 4 | 19 | 10 | 2 | | Herbert B. Gee. | |
| Tacoma..... | La Plata..... | 7,300 | 6 | | | | | | | | 0.23 | | 0.22 | T. | 2 | 5 | 13 | 13 | s. | The Western Colo. Power Co. | |
| Telluride..... | San Miguel..... | 8,756 | 1 | 47.0 | | 74 | 22 | 18 | 4 | 50 | 0.30 | | 0.12 | 4.0 | 4 | 16 | 12 | 3 | se. | David S. Painter. | |
| Terminal Dam..... | La Plata..... | 8,300 | 6 | | | | | | | | | | | | | | | | | The Western Colo. Power Co. | |
| Yampa (near)..... | Routt..... | 8,000 | 4 | | | | | | | | 0.14 | | 0.14 | 1.5 | 1 | 18 | 8 | 5 | sw. | Wm. A. Charls. | |
| Utah. | | | | | | | | | | | | | | | | | | | | | |
| Aneth..... | San Juan..... | 4,800 | 9 | 66.3 | | 92 | 23a | 35 | 15 | 43 | 0.20 | | 0.20 | 0 | 1 | 28 | 2 | 1 | | H. R. Antes. | |
| Bluff..... | do..... | 4,200 | 1 | 64.9m | | 93m | 26 | 33m | 4 | 41m | 0.00 | | 0.00 | 0 | 0 | 29 | 1 | 1 | | H. H. Redd. | |
| Canaan..... | Washington..... | | | | | | | | | | | | | | | | | | | J. M. Lauritzen. | |
| Castle Dale..... | Emery..... | 5,500 | 14 | 54.6 | + 1.0 | 89 | 11 | 14 | 3 | 49 | 0.05 | - 0.39 | 0.05 | | 1 | 19 | 12 | 0 | | Miss Fay Jeffs. | |
| C | | | | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 9—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|-----------------------|------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|-----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Utah—Continued. | | | | | | | | | | | | | | | | | | | | |
| New Harmony | Washington | 5,200 | 2 | | | | | | | | 0.25 | | 0.25 | 0 | 1 | | | | | Geo. F. Prince. |
| Orderville | Kane | 6,660 | 3 | | | | | | | | T. | | T. | 0 | 0 | | | | | F. A. Porter. |
| Pine Valley | Washington | 6,000 | 2 | | | | | | | | 0.50 | | 0.42 | T. | 3 | 17 | 4 | 10 | s. | Mason Gardner. |
| Price | Carbon | 5,557 | 2 | 59.0 | | 90 | 26 | 24 | 3 | 46 | 0.11 | | 0.07 | 0 | 2 | 9 | 11 | 10 | nw. | Geo. Mathis. |
| Ranch | Kane | 6,700 | 11 | 49.2 | + 1.0 | 79 | 23 | 16 | 3 | 46 | 0.00 | - 0.94 | 0.00 | 0 | 0 | 28 | 3 | 0 | w. | J. W. Seaman. |
| San Rafael | Emery | 4,250 | 1 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 23 | 5 | 3 | se. | J. J. Nougier. |
| St. George | Washington | 2,880 | 26 | 66.8 | ± 0.0 | 97 | 22 | 33 | 3 | 49 | 0.05 | - 0.33 | 0.05 | 0 | 1 | 21 | 9 | 1 | | A. B. Ballantyne. |
| Scofield | Carbon | 7,625 | 4 | 44.4 | | 76 | 26 | 12 | 3 | 51 | 0.77 | | 0.49 | 4.0 | 4 | 22 | 0 | 9 | s. | B. Newren. |
| Springdale | Washington | 3,500 | 5 | | | | | | | | | | | | | | | | | Hattie Wood. |
| Strawberry Tun. E. | Wasatch | 7,650 | 1 | 44.3 | | 75 | 27 | 14 | 3 | 49 | 1.16 | | 0.45 | 6.5 | 4 | 12 | 7 | 12 | | Reclamation Service. |
| Teasdale | Wayne | 7,090 | 4 | 56.0 | | 98 | 26 | 20 | 3 | 58 | T. | | T. | T. | 0 | 14 | 14 | 3 | w. | Henry Cullum. |
| Thompsons | Grand | 5,150 | 2 | 63.7 | | 91 | 26 | 31 | 2 | 34 | 0.03 | | 0.03 | 0 | 1 | 20 | 6 | 14 | sw. | Mrs. A. M. Starmont. |
| Tropic | Garfield | 7,000 | 16 | 52.7 | + 0.6 | 82 | 23 | 26 | 3 | 40 | T. | - 0.71 | T. | T. | 0 | 10 | 19 | 2 | nw. | E. P. Bolton. |
| Trout Creek Rngr. | Uinta | 9,200 | 2 | | | | | | | | | | | | | | | | | Forest Supervisor. |
| Vernal | do. | 5,050 | 16 | 58.7 | + 2.2 | 106 | 28 | 21 | 3 | 68 | 0.01 | - 0.96 | 0.01 | 0 | 1 | 22 | 5 | 4 | | H. E. Dillman. |
| Victor | Emery | 5,250 | 1 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | | | | | F. F. Noyes. |
| White Rocks | Uinta | 6,200 | 1 | | | | | | | | 0.02 | | 0.02 | T. | 1 | 4 | 13 | 14 | w. | E. C. Sims. |
| Woodside | Emery | 4,645 | 2 | 59.6 | | 93 | 25 | 26 | 3 | 48 | 0.39 | | 0.39 | | 1 | 20 | 11 | 0 | s. | D. P. Adams. |
| New Mexico. | | | | | | | | | | | | | | | | | | | | |
| Alma | Socorro | 5,500 | 15 | 60.3 | - 1.4 | 93 | 22 | 24 | 4 | 57 | 0.06 | - 0.24 | 0.04 | 0 | 3 | 12 | 19 | 0 | sw. | Max A. Balke. |
| Aragon | do. | | 6 | 55.4 | | 84 | 22 | 20 | 5 | 52 | 0.20 | | 0.20 | 0 | 1 | 16 | 15 | 0 | sw. | John R. Milligan. |
| Aztec | San Juan | 5,590 | 13 | | | | | | | | T. | - 0.52 | T. | 0 | 0 | 21 | 10 | 0 | sw. | Dr. T. J. West. |
| Berger's Ranch | McKinley | 8,000 | 4 | 49.4 | | 78 | 22 | 18 | 4 | 50 | 0.18 | | 0.18 | 0 | 1 | 25 | 3 | 3 | w. | Herman Berger. |
| Blackrock | do. | 6,500 | 4 | 59.9 | | 84 | 7 | 24 | 11 | 50 | T. | | T. | 0 | 0 | 25 | 2 | 4 | e. | Patrick Des Georges. |
| Bloomfield | San Juan | 5,500 | 18 | 59.2 | + 1.1 | 92 | 26 | 25 | 4 | 52 | 0.19 | - 0.22 | 0.19 | 0 | 1 | 26 | 4 | 1 | sw. | Fred LeClere. |
| Cambray | Luna | 4,215 | 14 | | | | | | | | 0.00 | - 0.10 | 0.00 | 0 | 0 | 30 | 0 | 1 | | Agent So. Pac. R. R. |
| Cliff | Grant | 4,470 | 13 | 63.6 | - 0.7 | 95 | 26 | 18 | 4 | 61 | 0.22 | + 0.04 | 0.17 | 0 | 2 | 26 | 5 | 0 | | W. C. Belden. |
| Columbus | Luna | 4,054 | 4 | | | | | | | | T. | | T. | 0 | 0 | 25 | 1 | 5 | sw. | Agent E. P. & S. W. R. R. |
| Deming | do. | 4,353 | 36 | 69.0 | | 95 | 28 | 36 | 4 | 46 | 0.00 | | 0 | 0 | 0 | 29 | 2 | 0 | w. | Agent So. Pac. R. R. |
| Dulce | Rio Arriba | 6,756 | 16 | 52.8 | + 1.6 | 85 | 31 | 20 | 4 | 53 | 0.13 | - 0.78 | 0.10 | 0 | 2 | 25 | 5 | 1 | w. | E. O. Green. |
| Farmington | San Juan | | | | | | | | | | | | | | | | | | | Orville Ricketts. |
| Fort Bayard | Grant | 6,152 | 44 | 61.2 | - 0.4 | 85 | 26 | 32 | 3 | 37 | 0.47 | + 0.16 | 0.23 | 0 | 4 | 23 | 3 | 5 | w. | U. S. Genl. Hospital. |
| Fruitland | San Juan | 4,800 | 19 | 60.2 | + 0.3 | 89 | 25 | 26 | 4 | 47 | 0.00 | - 0.34 | 0.00 | 0 | 0 | 19 | 12 | 0 | sw. | Cyril J. Collier. |
| Gage | Luna | 4,486 | 13 | 63.0 | | 88 | 31 | 38 | 2 | 43 | T. | - 0.08 | T. | 0 | 0 | 25 | 3 | 3 | w. | Agent So. Pac. R. R. |
| Gila Planting Station | Grant | 6,475 | 2 | 60.4 | | 84 | 26 | 29 | 3 | 37 | 0.20 | | 0.08 | 0 | 3 | 26 | 4 | 1 | w. | U. S. Forest Service. |
| G. O. S. Ranch | do. | 8,000 | 1 | 55.8 | | 90 | 22 | 16 | 3 | 56 | 0.27 | | 0.13 | 0 | 3 | 15 | 12 | 4 | w. | Victor Culbertson. |
| Hachita | do. | 4,504 | 4 | | | | | | | | 0.20 | | 0.20 | 0 | 1 | 29 | 1 | 1 | sw. | Agent E. P. & S. W. R. R. |
| Haynes | Rio Arriba | 6,600 | 2 | 54.4 | | 83 | 25 | 26 | 5 | 48 | 0.04 | | 0.04 | 0 | 1 | 21 | 9 | 1 | sw. | Dr. John R. Haynes. |
| Hermans | Luna | 4,451 | 4 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 29 | 2 | 0 | w. | Agent E. P. & S. W. R. R. |
| Lordsburg | Grant | 4,245 | 31 | 66.6 | - 2.1 | 94 | 26 | 35 | 4 | 45 | T. | - 0.20 | T. | 0 | 0 | 15 | 16 | 0 | w. | J. H. McClure. |
| Luna | Socorro | 7,300 | 12 | 51.8 | + 0.1 | 83 | 22 | 15 | 4 | 53 | 0.38 | - 0.10 | 0.20 | T. | 2 | 9 | 22 | 0 | w. | C. B. Martin. |
| Mimbres | Grant | 5,007 | 8 | | | | | | | | 0.45 | | 0.22 | 0 | 3 | 26 | 5 | 0 | | Charles Dennis. |
| Pinos Altos (near) | do. | 7,253 | 2 | | | | | | | | 0.46 | | 0.21 | 0 | 3 | 23 | 8 | 0 | w. | O. L. Scott. |
| Pratt | do. | 4,415 | 4 | | | | | | | | T. | | T. | 0 | 0 | 24 | 7 | 0 | sw. | Agent E. P. & S. W. R. R. |
| Putnam | San Juan | 6,200 | 1 | 57.8 | | 89 | 28 | 21 | 1 | 57 | T. | | T. | 0 | 0 | 21 | 7 | 3 | | C. F. Spader. |
| Redrock | Grant | 4,150 | 8 | | | | | | | | 0.12 | | 0.12 | 0 | 1 | 25 | 5 | 1 | | Robert H. Woods. |
| Rodeo | do. | 4,118 | 4 | | | | | | | | | | | | | | | | | Agent E. P. & S. W. R. R. |
| Silver City | do. | 5,860 | 2 | 60.8 | | 89 | 26 | 28 | 3 | 44 | 0.21 | | 0.16 | 0 | 3 | 26 | 5 | 0 | n. | E. M. Brumback. |
| Arizona. | | | | | | | | | | | | | | | | | | | | |
| Allaires Ranch | Cochise | 4,184 | 16 | | | | | | | | 0.05 | - 0.09 | 0.03 | 0 | 2 | 23 | 3 | 5 | sw. | Thomas Allaire. |
| Alpine | Apache | 8,500 | 3 | 45.5 | | | | 17 | 4 | 53 | 0.05 | | 0.05 | 0 | 1 | 17 | 11 | 3 | s. | U. S. Forest Service. |
| Ashfork | Yavapai | 5,229 | 1 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | 24 | 3 | 4 | | Do. |
| Aztec | Yuma | 492 | 15 | 77.0 | - 3.2 | 101 | 22 | 46 | 1 | 44 | 0.00 | - 0.05 | 0.00 | 0 | 0 | 29 | 2 | 0 | | Agent Southern Pacific Ry. |
| Benson | Cochise | 3,523 | 30 | 67.2 | - 7.5 | 98 | 23 | 36 | 4 | 50 | 0.25 | + 0.13 | 0.25 | 0 | 1 | 25 | 1 | 5 | w. | Do. |
| Bisbee | do. | 5,350 | 23 | 65.4 | - 0.5 | 88 | 23 | 38 | 2 | 38 | 0.20 | - 0.05 | 0.10 | 0 | 2 | 27 | 0 | 4 | | Bisbee High School. |
| Blue | Greenlee | 6,500 | 2 | | | | | | | | 0.16 | | 0.11 | T. | 2 | | | | s. | Mary A. Jones. |
| Bonita | Graham | 4,916 | 39 | | | | | | | | 0.10 | - 0.16 | 0.10 | 0 | 1 | 20 | 9 | 2 | s. | A. H. Jelley. |
| Bowie | Cochise | 3,756 | 34 | 72.4 | + 1.1 | 99 | 26 | 38 | 4 | 48 | T. | - 0.22 | T. | 0 | 0 | 25 | 6 | 0 | w. | Agent Southern Pacific Ry. |
| Buckeye | Maricopa | 980 | 21 | 72.6 | + 0.2 | 100 | 22 | 40 | 2 | 50 | 0.00 | - 0.07 | 0.00 | 0 | 0 | 28 | 1 | 2 | sw. | H. E. Kell. |
| Canille | Santa Cruz | 5,225 | 4 | | | | | | | | T. | | T. | 0 | 0 | 21 | 10 | 0 | sw. | Robert A. Rodgers. |
| Casa Grande | Pinal | 1,396 | 32 | | | | | | | | 0.00 | - 0.05 | 0.00 | 0 | 0 | 31 | 0 | 0 | | Agent Southern Pacific Ry. |
| Casa Grande Ruins | do. | 1,422 | 5 | 71.9 | | 104 | 23 | 33 | 2 | 51 | T. | | T. | 0 | 0 | 26 | 1 | 4 | w. | Frank Pinkley. |
| Cave Creek (near) | Maricopa | 1,452 | 5 | | | | | | | | 0.00 | | 0.00 | 0 | 0 | | | | | John B. Lammers. |
| Chandler | do. | 1,213 | 18 | 72.4 | - 1.1 | 102 | 27 | 41 | 4 | 52 | 0.00 | - 0.06 | 0.00 | 0 | 0 | 28 | 3 | 0 | nw. | F. V. N. Dana. |
| Chin Lee | Apache | 6,090 | 5 | 59.0 | | 91 | 12 | 23 | 1 | 51 | 0.02 | | 0.02 | 0 | 1 | 8 | 14 | 9 | sw. | Rev. L. Ostermann, O. F. M. |
| Chiarsons Mill | Graham | 8,000 | 7 | 57.0 | | 79 | 23 | 33 | 3 | 30 | 0.23 | | 0.23 | 0 | 1 | 13 | 14 | 4 | | Hiram R. Charlson. |
| Clifton | Greenlee | 3,584 | 23 | 74.1 | | 99 | 23 | 40 | 4 | 47 | T. | - 0.39 | T. | 0 | 0 | 30 | 1 | 0 | | L. C. Kyhl. |
| Cochise | Cochise | 4,219 | 13 | | | | | | | | 0.06 | - 0.11 | 0.03 | 0 | 3 | 24 | 0 | 7 | w. | Agent Southern Pacific Ry. |
| Columbia | Yavapai | 1,900 | 11 | 76.8 | + 3.7 | 105 | 24 | 46 | 2 | 37 | 0.00 | - 0.20 | 0.00 | 0 | 0 | 27 | 4 | 0 | s. | M. J. Nolan. |
| Courtland | Cochise | 4,543 | 4 | | | | | | | | 0.22 | | 0.22 | 0 | 1 | 20 | 11 | 0 | nw. | Agent E. P. & S. W. R. R. |
| Dos Cabezas | do. | 5,250 | 5 | 62.5 | | 94 | 26 | 28 | 4 | 54 | 0.22 | | 0.22 | 0 | 1 | 25 | 5 | 1 | w. | Neil Erickson. |
| Douglas | do. | 3,930 | 10 | 67.2 | - 0.6 | 98 | 23 | 33 | 3 | 52 | 0.19 | + 0.01 | 0.17 | 0 | 2 | 29 | 2 | 0 | sw. | Dr. F. T. Wright. |
| Dudleyville | Pinal | 2,204 | 21 | 67.0 | - 2.8 | 96 | 23 | 40 | 2 | 47 | T. | - 0.38 | T. | 0 | 0 | 19 | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 9—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|-------------------------|---------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|-------------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Arizona—Continued. | | | | | | | | | | | | | | | | | | | | |
| Kingman..... | Mohave..... | 3,326 | 9 | 66.0 | ..... | 95 | 15 | 34 | 24 | 53 | 0.00 | ..... | 0.00 | 0 | 0 | 26 | 0 | 5 | se. | Agent A., T. & S. F. Ry. |
| Lakeside..... | Navajo..... | 6,500 | 14 | 52.8 | ..... | 82 | 23 | 19 | 4 | 46 | T. | - 0.54 | T. | 0 | 0 | 23 | 0 | 8 | sw. | Prof. Joseph Peterson. |
| Lewis Springs..... | Cochise..... | 4,029 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Agent E. P. & S. W. R. R. |
| Lowell Observatory..... | Coconino..... | 7,180 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Vesto M. Slipher. |
| McNeal..... | Cochise..... | 4,150 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.14 | ..... | 0.07 | 0 | 3 | 23 | 5 | 3 | sw. | Gladys Taylor. |
| Maricopa..... | Pinal..... | 1,186 | 36 | 75.8 | - 4.2 | 107 | 23 | 43 | 2 | 55 | T. | - 0.05 | T. | 0 | 0 | 29 | 2 | 0 | w. | Agent Southern Pacific Ry. |
| Maricopa..... | Maricopa..... | 1,155 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Theo. Katzenstein. |
| Maricopa..... | Mohave..... | 4,500 | 1 | 57.5 | ..... | 105 | 25 | 24 | 4 | 61 | 0.03 | ..... | 0.03 | 0 | 1 | 20 | 11 | 0 | w. | J. G. Maxwell. |
| Mocasin..... | Yuma..... | 538 | 13 | 79.7 | - 2.2 | 102 | 26 | 57 | 1 | 37 | 0.00 | - 0.03 | 0.00 | 0 | 0 | 27 | 2 | 2 | n. | Agent Southern Pacific Ry. |
| Mohawk Summit..... | Cochise..... | 4,579 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.21 | ..... | 0.16 | 0 | 2 | 30 | 0 | 1 | ..... | Agent E. P. & S. W. R. R. |
| Naco..... | Gila..... | 4,990 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.00 | - 0.52 | 0.00 | 0 | 0 | 21 | 9 | 1 | sw. | D. G. Goodfellow. |
| Natural Bridge..... | Apache..... | 8,000 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.14 | ..... | 0.10 | 1.2 | 2 | 7 | 20 | 4 | sw. | U. S. Forest Service. |
| Nutriso..... | Pinal..... | 4,502 | 20 | 66.6 | - 1.9 | 91 | 23 | 37 | 2 | 34 | 0.11 | - 0.25 | 0.11 | 0 | 1 | 26 | 4 | 1 | w. | J. W. Lawson. |
| Oracle..... | Cochise..... | 4,676 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.35 | ..... | 0.35 | 0 | 1 | 21 | 10 | 0 | w. | Agent E. P. & S. W. R. R. |
| Osborn..... | do..... | 5,436 | 6 | 58.9 | ..... | 88 | 27 | 30 | 3 | 51 | 0.03 | ..... | 0.03 | 0 | 1 | 18 | 11 | 2 | sw. | J. C. Hancock. |
| Paradise..... | Yuma..... | 345 | 19 | 75.4 | - 1.0 | 103 | 24 | 40 | 14 | 49 | 0.00 | - 0.14 | 0.00 | 0 | 0 | 28 | 3 | 0 | sw. | M. A. Isreal, M. D. |
| Parker..... | Gila..... | 5,550 | 5 | 56.8 | ..... | 90 | 31 | 26 | 2 | 54 | T. | ..... | T. | 0 | 0 | 23 | 4 | 4 | sw. | Mart McDonald. |
| Payson..... | Maricopa..... | 1,108 | 18 | 73.8 | - 1.0 | 99 | 26 | 46 | 2 | 39 | 0.00 | - 0.03 | 0.00 | 0 | 0 | 24 | 4 | 3 | e. | U. S. Weather Bureau. |
| Phoenix..... | do..... | 1,092 | 25 | 71.8 | - 2.0 | 100 | 234 | 40 | 3 | 48 | 0.00 | - 0.06 | 0.00 | 0 | 0 | 28 | 1 | 2 | w. | Geo. Acuff. |
| Phoenix (1)..... | do..... | 1,189 | 4 | 74.2 | ..... | 100 | 23 | 41 | 5 | 52 | 0.00 | ..... | 0.00 | 0 | 0 | 28 | 0 | 3 | sw. | Salt Riv. Val. Nurseries. |
| Phoenix (2)..... | Pinal..... | 4,520 | 19 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Irion & Craig. |
| Pinal Ranch..... | Navajo..... | 6,500 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.00 | ..... | 0.00 | 0 | 0 | ..... | ..... | ..... | ..... | E. Thomas, Jr. |
| Pinedale..... | Apache..... | 5,660 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. | ..... | T. | 0 | 0 | 24 | 7 | 0 | sw. | Celia F. Henning. |
| Pinto..... | Yavapai..... | 5,320 | 47 | 55.8 | - 2.9 | 85 | 224 | 23 | 3 | 45 | T. | - 0.51 | T. | 0 | 0 | 29 | 2 | 0 | ..... | Dr. J. W. Flinn. |
| Prescott..... | do..... | 5,008 | 1 | 62.2 | ..... | 88 | 23 | 36 | 29 | 39 | 0.04 | ..... | 0.04 | 0 | 1 | 25 | 5 | 1 | s. | L. L. Bates. |
| Prescott Dry Farm..... | Yuma..... | 800 | 6 | 76.4 | ..... | 105 | 224 | 42 | 3 | 45 | 0.00 | ..... | 0.00 | 0 | 0 | 23 | 7 | 1 | s. | W. E. Scott. |
| Quartzsite..... | Gila..... | 2,540 | 31 | 66.34 | - 4.0 | ..... | ..... | 32 | 4 | 534 | 0.00 | - 0.26 | 0.00 | 0 | 0 | 27 | 4 | 0 | sw. | Arthur Pritchard. |
| Rice..... | do..... | 2,175 | 8 | 77.0 | ..... | 103 | 274 | 47 | 3 | 42 | 0.00 | ..... | 0.00 | 0 | 0 | 25 | 6 | 0 | w. | U. S. Reclamation Service. |
| Roosevelt..... | Pinal..... | 1,280 | 6 | 74.0 | ..... | 103 | 234 | 39 | 3 | 49 | 0.00 | ..... | 0.00 | 0 | 0 | ..... | ..... | ..... | ..... | E. W. Hudson. |
| Sacaton..... | Apache..... | 5,650 | 9 | 54.0 | ..... | 90 | 23 | 25 | 4 | 44 | T. | - 0.63 | T. | T. | 0 | 22 | 8 | 1 | sw. | Alexander Shreeve. |
| St. Johns..... | do..... | 6,950 | 25 | 55.0 | + 1.6 | 84 | 26 | 23 | 4 | 44 | T. | - 0.15 | T. | 0 | 0 | 28 | 3 | 0 | se. | Rev. Anselm Weber, O. F. M. |
| St. Michaels..... | Cochise..... | 3,609 | 27 | 66.4 | - 9.9 | 98 | 274 | 30 | 4 | 61 | T. | ..... | T. | 0 | 0 | 28 | 3 | 0 | sw. | Agent Southern Pacific Ry. |
| San Simon..... | Yavapai..... | 5,219 | 6 | 57.0 | ..... | 87 | 5 | 22 | 2 | 54 | 0.00 | ..... | 0.00 | 0 | 0 | 22 | 0 | 9 | sw. | Lib. A., T. & S. F. Ry. |
| Seligman..... | Maricopa..... | 685 | 15 | 77.8 | - 1.2 | 106 | 22 | 48 | 34 | 46 | 0.00 | 0.00 | 0.00 | 0 | 0 | 31 | 0 | 0 | ..... | Agent Southern Pacific Ry. |
| Sentinel..... | Pima..... | 2,664 | 8 | ..... | ..... | 104 | 23 | ..... | ..... | ..... | 0.30 | ..... | 0.30 | 0 | 1 | 26 | 0 | 5 | s. | Imperial Copper Co. |
| Silverbell..... | Navajo..... | 5,644 | 6 | 55.2 | ..... | 87 | 23 | 18 | 4 | 56 | T. | ..... | T. | 0 | 0 | 18 | 11 | 2 | sw. | William J. Flake. |
| Snowflake..... | Apache..... | 6,862 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | U. S. Forest Service. |
| Springerville..... | Coconino..... | 3,200 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Laura B. Symons. |
| Supai..... | Maricopa..... | 1,165 | 9 | 72.6 | ..... | 102 | 27 | 44 | 24 | 53 | T. | ..... | T. | 0 | 0 | 24 | 7 | 0 | nw. | F. H. Simmons. |
| Tempe..... | Graham..... | 2,800 | 9 | 70.4 | ..... | 104 | 22 | 34 | 4 | 55 | 0.08 | ..... | 0.05 | 0 | 2 | 23 | 7 | 1 | w. | J. H. Larson. |
| Thatcher..... | Cochise..... | 4,550 | 17 | 70.6 | + 2.7 | 97 | 22 | 40 | 1 | 39 | 0.07 | - 0.17 | 0.07 | 0 | 1 | 24 | 7 | 0 | sw. | F. N. Walcott. |
| Tombstone..... | Mohave..... | 3,997 | 4 | 62.4 | ..... | 95 | 23 | 30 | 2 | 50 | T. | ..... | T. | 0 | 0 | 17 | 7 | 7 | s. | Truxton Cany. Ind. School. |
| Truxton..... | Coconino..... | 4,500 | 13 | 62.8 | + 1.1 | 90 | 23 | 30 | 3 | 43 | T. | - 0.19 | T. | 0 | 0 | 19 | 12 | 0 | sw. | Ira Bell. |
| Tuba..... | Pima..... | 2,390 | 31 | 71.1 | - 2.0 | 101 | 23 | 38 | 4 | 49 | T. | - 0.13 | T. | 0 | 0 | 15 | 15 | 1 | sw. | University of Arizona. |
| Tucson..... | do..... | 2,380 | 5 | 67.9 | ..... | 101 | 234 | 32 | 44 | 594 | 0.00 | ..... | 0.00 | 0 | 0 | 24 | 7 | 0 | w. | Rev. James F. Record. |
| Tucson (1)..... | do..... | 2,526 | 3 | 70.4 | ..... | 100 | 27 | 38 | 2 | 48 | T. | ..... | T. | 0 | 0 | 24 | 5 | 2 | w. | U. S. Coast and Geodetic Sur. |
| Tucson (2)..... | do..... | 3,421 | 14 | 65.0 | ..... | 98 | 26 | 32 | 2 | 514 | 0.60 | + 0.58 | 0.60 | 0 | 1 | 28 | 0 | 3 | ..... | Agent Southern Pacific Ry. |
| Vail..... | Yavapai..... | 3,649 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.00 | - 0.09 | 0.00 | 0 | 0 | ..... | ..... | ..... | ..... | J. O. Carter. |
| Walnut Grove..... | Maricopa..... | 2,072 | 14 | 67.0 | - 2.7 | ..... | ..... | 36 | 12 | 524 | 0.00 | - 0.19 | 0.00 | 0 | 0 | 31 | 0 | 0 | s. | Agent S. F., P. & P. Ry. |
| Wickenburg..... | Cochise..... | 4,164 | 31 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Agent Southern Pacific Ry. |
| Willcox..... | Coconino..... | 6,750 | 13 | 53.6 | - 0.4 | 83 | 224 | 23 | 2 | 45 | T. | - 0.90 | T. | T. | 0 | 28 | 3 | 0 | ..... | E. J. Nordyke. |
| Williams..... | Navajo..... | 4,855 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Winslow High School. |
| Winslow..... | Yuma..... | 141 | 32 | 74.9 | - 1.9 | 100 | 11 | 47 | 2 | 43 | 0.00 | - 0.03 | 0.00 | 0 | 0 | 30 | 1 | 0 | s. | U. S. Weather Bureau. |
| Yuma..... | do..... | 150 | 6 | 70.2 | ..... | 97 | 23 | 40 | 2 | 47 | 0.00 | ..... | 0.00 | 0 | 0 | 29 | 2 | 0 | sw. | C. J. Wood. |
| Nevada. | | | | | | | | | | | | | | | | | | | | |
| Caliente..... | Lincoln..... | 4,407 | 3 | 56.3 | ..... | 87 | 26 | 22 | 3 | 51 | 0.05 | ..... | 0.05 | 0 | 1 | 29 | 1 | 2 | ne. | Salt Lake Route. |
| Las Vegas..... | Clark..... | 2,033 | 11 | 71.0 | + 6.0 | 99 | 234 | 42 | 8 | 46 | T. | - 0.10 | T. | 0 | 0 | 23 | 6 | 2 | s. | C. P. Squires. |
| Logan..... | do..... | 1,355 | 6 | 69.8 | ..... | 100 | 244 | 38 | 3 | 50 | 0.00 | ..... | 0.00 | 0 | 0 | 31 | 0 | 0 | s. | Orin W. Jarvis. |

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for May, 1913. District No. 9, Colorado Valley.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|----------------------|------------|---------------|-----|-----|-----|-----|---|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Wyoming. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Big Piney | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daniel | do. | T. | .80 | | | | | T. | | | | | | | | | T. | | | .25 | .10 | T. | | | | T. | | T. | | T. | .41 | T. | 1.56 | |
| Eden | do. | T. | .04 | | | | | | T. | | | | | | | | | | T. | .08 | .10 | | | | | | | | | | | | 0.22 | |
| Green River | do. | | .03 | | | | | | | | | | | | | | | | T. | .02 | | | | | | | | | | | | | 0.10 | |
| Pinedale | do. | | .10 | .60 | | | | | T. | | | | | | | | T. | .01 | | .08 | .14 | | | | .03 | | | | .02 | | | | 0.95 | |
| Wamsutter | do. | T. | | | | | | | | | | | | .04 | | | | | .03 | .02 | | | | | .01 | | | | | | | .02 | 0.12 | |
| Willow Creek Cabin | do. | .14 | .84 | | T. | | | | | | | | | | | | .07 | T. | | .08 | .09 | | | | | | .22 | | | | | | .47 | 1.91 |
| Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ashcroft | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blue Valley Ranch | Yampa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Breckenridge | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buford | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cascade | San Juan | | | T. | | | | | .01 | | | | | | | | | | | | .07 | | | | | .05 | | | .08 | .03 | | | | 0.24 |
| Cedaredge | Gunnison | | | | | | | | | | | | | | | | | | | | .22 | | | | | | | | .06 | | | | 0.14 | |
| Cochetopa | do. | | | | | | | T. | .05 | | | | | | | | | | | | .20 | | | | | | T. | T. | | | T. | | 0.27 | |
| Collbran | Grand | | T. | | | | | | | | | | | | .26 | | | T. | | | .35 | .90 | .06 | | | .03 | T. | .02 | .01 | | | | 0.47 | |
| Columbine | Yampa | | | | | | | | | | | | | | .09 | | | | | | .14 | | | | | | | | | | | | 1.46 | |
| Columbine Ranch | Gunnison | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | 0.14 | |
| Corona II | Grand | | | .56 | | | | | | .65 | .02 | | | | .33 | .19 | | | .36 | .08 | | .48 | .30 | .05 | | .02 | | | | .02 | .03 | | 3.09 | |
| Cortez | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | |
| Crawford (near) | Gunnison | | | | | | | | | | | | | .11 | | | | | .29 | | | | | | | | | | | | | | T. | |
| Crested Butte | do. | | | | | | | | .22 | | | | | .10 | | | | | | .07 | | | | | | | | | | | | | 0.40 | |
| Delta | do. | | | | | | | | | .02 | | | | .02 | | | | T. | | .07 | | | | | | | | | | | | | 0.59 | |
| Dillon | Grand | | | .03 | | | | | | .13 | | | | .13 | | | | | | | | | | | | .05 | | .05 | .15 | .09 | .07 | | | 0.30 |
| Durango | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.42 | |
| Eureka | do. | T. | T. | | | | | T. | .10 | | | | | | | | T. | T. | | .22 | T. | | T. | | | T. | T. | T. | | | | | 0.74 | |
| Fraser II | Grand | | | .20 | | | | | | | | | | | | | .10 | | T. | .20 | | | .05 | .20 | | | | | | | | | 0.52 | |
| Fruita | do. | | T. | .02 | | | | | | | | | | | .05 | | | | | | | | | | | | | | | | | | 0.87 | |
| Glade Park | do. | | | .20 | | | | | | | | | | | .20 | | | T. | | | .09 | | | | | | | | | | | | 0.15 | |
| Gladstone | San Juan | T. | T. | .02 | .01 | | | | .01 | | | | | | T. | | | | | | | | | | | | | | | | | | 0.49 | |
| Glen'd Spr'gs (near) | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.36 | |
| Grand Junction | do. | | T. | .04 | | | | | | | | | | | .18 | | | | | | | | | | | | | | | | | | 0.18 | |
| Grandlake | do. | | | .38 | .15 | | | | .30 | .10 | | | | | | | | | | | | | | | | | | | | | | | 0.12 | |
| Grand Valley | do. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.28 | |
| Gunnison | Gunnison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.29 | |
| Hayden | Yampa | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | |
| Hesperus (near) | La Plata | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | 0.25 | |
| Horseshoe | Gunnison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | |
| Ironton | do. | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | 0.85 | |
| Lake City | do. | | | .07 | .03 | | | | .03 | | | | | | | | | | | | | | | | | | | | | | | | 0.36 | |
| Lay | Yampa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.44 | |
| Mancos | San Juan | | | | | | | | | .14 | .09 | .02 | | | | | | | | | | | | | | | | | .02 | .03 | .06 | .01 | | 0.40 |
| Marble | Grand | | | | .18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | |
| Marshall Pass | Gunnison | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.54 | |
| Meeker (near) | White | | T. | .03 | | | | | | | | | | | .03 | | | | | | | | | | | | | | | | | | 0.47 | |
| Montrose | Gunnison | | | | | | | | | | | | | | .02 | | | | | | | | | | | | | | | | | | 0.46 | |
| Nast | Grand | | T. | .12 | | | | | | | | | | | .06 | | | | | | | | | | | | | | | | | | 0.57 | |
| Pagosa Springs | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.18 | |
| Palisades | Grand | | T. | .12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.08 | |
| Paonia | Gunnison | | | | | | | | | | | | | | .02 | | | | | | .20 | | | | | | | | | | | | 0.34 | |
| Pitkin | do. | | | | | | | | | | | | | | .25 | | | | | | | .15 | | | | | | | | | | | 0.40 | |
| Pyramid | Yampa | | | | | | | | | | | | | | .07 | | | | | | | | | | | | | | | | | | 0.19 | |
| Redcliff | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Redvale | San Miguel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rico | Dolores | | | | .13 | .03 | | | T. | .06 | | | | | | | | | | | | | | | | | | | | | | | | 0.60 |
| Rifle | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.34 | |
| River Portal | Gunnison | | | | | | | | | | | | | | .09 | | | | | | | | | | | | | | | | | | 0.18 | |
| Sapinero (near) | do. | | T. | .02 | | | | | | .02 | | | | | .31 | | | | | | | | | | | | | | | | | | 0.31 | |
| Shoshone | Grand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.69 | |
| Silverton (near) | San Juan | | | T. | | | | | | | | | | | | | | | | | .22 | | | | | | | | | | | | 0.44 | |
| Spruce Lodge | Grand | | T. | .45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.28 | |
| Steamboat Springs | Yampa | | | | | | | | | .04 | .40 | | | | | | | | | | .27 | | | | .24 | .18 | | | | | | | 2.00 | |
| Tacoma | San Juan | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | 1.53 | |
| Telluride | San Miguel | | | T. | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | 0.23 | |
| Terminal Dam | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.30 | |
| Yampa (near) | Yampa | | T. | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | 0.14 | |
| Utah. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aneth | San Juan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.20 | |
| Bluff | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Canaan | Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|------------------------|---------------------------|---------------|-----|----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|-----|-----|----|----|----|-----|-----|-----|-----|-----|----|----|----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| <i>Utah—Continued.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. George..... | Colorado..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scotfield..... | Green..... | .10 | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 |
| Springdale..... | Colorado..... | | | | | | | | | | | | | | | | | | | .49 | .01 | | | | | | | .17 | | | | | 0.77 | |
| Strawberry, east..... | Green..... | .20 | .15 | | | | | | | | | | | T. | | | | T. | T. | | | | | | | | | | | | | | 1.16 | |
| Thompson's..... | Colorado..... | | T. | | | | | | | | | | | | | | | | | .45 | T. | | | | | | T. | .36 | | | | | T. | |
| Tropic..... | Grand..... | | | | | | | | | | | | | | | | | | | T. | .03 | | | | | | | | | | | | 0.03 | |
| Trout Creek Ranger | Colorado..... | | T. | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. | |
| Vernal..... | Green..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.01 |
| Victor..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | .01 | | | | | | | 0.00 | |
| White Rocks..... | do..... | | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Woodside..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.02 | |
| <i>New Mexico.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma..... | Gila..... | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.39 | |
| Aragon..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | T. | * | .04 | .02 | | | | | 0.06 | |
| Aztec..... | San Juan..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.20 | |
| Bergers Ranch..... | Little Colo- rado..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | |
| Blackrock..... | do..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.18 | |
| Bloomfield..... | San Juan..... | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | | T. | |
| Cambray..... | Mimbres..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.19 | |
| Cliff..... | Gila..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Columbus..... | Mimbres..... | | | | | | | | | | | | | | | | | | | | | | | | .05 | | | | | | | | 0.22 | |
| Denning..... | do..... | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | | T. | |
| Dulce..... | San Juan..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Fort Bayard..... | Mimbres..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.13 | |
| Fruitland..... | San Juan..... | | | | | | | | | | | | | | | | | | | | | | | T. | .01 | .15 | T. | .03 | .08 | | | | 10 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 9—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|--------------------|-----------------------|---------------|---|-----|----|---|---|---|---|---|----|----|----|----|----|----|----|----|-----|----|----|----|----|-----|----|-----|-----|-----|----|----|----|-----|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Arizona—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Natural Bridge. | Verde. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Nutriso. | L. Colorado. | | | .10 | | | | | | | | | | | | | | | | | | | | | T. | T. | .04 | | | | | | 0.14 |
| Oracle. | San Pedro. | | | | | | | | | | | | | | | | | | | | | | | | | .11 | | | | | | | 0.11 |
| Osborn. | do. | | | | | | | | | | | | | | | | | | .35 | | | | | | | | | | | | | | 0.35 |
| Paradise. | Desert. | | | | | | | | | | | | | | | | | | | | | | | | T. | .03 | | | | | | | 0.03 |
| Parker. | Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Payson. | Gila. | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | T. |
| Phoenix. | Salt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Phoenix (1). | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Phoenix (2). | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Pinal Ranch II. | Gila. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Pinedale. | L. Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Pinto. | do. | | | T. | | | | | | | | | | | | | | | | | | | | T. | | | | | T. | | | | T. |
| Prescott. | Hassayampa. | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | T. |
| Prescott Dry Farm. | Verde. | | | | | | | | | | | | | | | | | | | | | | | | | .04 | | | | | | | 0.04 |
| Quartzsite. | Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Rice. | Gila. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Roosevelt. | Salt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Sacaton. | Gila. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| St. Johns. | Little Colo- rado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| St. Michaels. | do. | | | | T. | | | | | | | | | | | | | | | | | | | T. | T. | T. | T. | T. | | | | | T. |
| San Simon. | Gila. | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | T. |
| Seligman. | Verde. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Sentinel. | Gila. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Silverbell. | Santa Cruz. | | | | | | | | | | | | | | | | | | | | | | | | | | .30 | | | | | | 0.00 |
| Snowflake. | Little Colo- rado. | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | T. |
| Springerville. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Supai. | Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Tempe. | Salt. | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | | T. |
| Thatcher. | Gila. | | | | | | | | | | | | | | | | | | | | | | | .05 | | | | .03 | | | | | 0.08 |
| Tombstone. | San Pedro. | | | | | | | | | | | | | | | | | | | | | | | | | .07 | | | | | | | 0.07 |
| Truxton. | Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | T. |
| Tuba. | Little Colo- rado. | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | T. |
| Tucson. | Santa Cruz. | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | | | | | T. |
| Tucson (1). | do. | | | | | | | | | | | | | | | | | | | | | | | | T. | T. | | | | | | | 0.00 |
| Tucson (2). | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. |
| Vail. | do. | | | | | | | | | | | | | | | | | | | | | | | | T. | | .60 | | | | | | 0.60 |
| Walnut Grove. | Hassayampa. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Wickenburg. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Willcox. | Desert. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Williams. | Colorado. | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. |
| Winslow. | Little Colo- rado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Yuma. | Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Yuma (1). | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Nevada. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Caliente. | Colorado. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .05 | 0.05 |
| Las Vegas. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | 0.00 |
| Logan. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |

* Precipitation included in that of the next measurement.
† Separate dates of falls not recorded.
|| Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 9, Colorado Valley.

| Date. | Wyoming. | | | | Colorado. | | | | | | | | | | Utah. | | | | | | | | | | New Mexico. | | | |
|--------|----------|------|--------------|------|-----------|------|-----------------|------|-----------|------|---------|------|--------------------|------|--------|------|-------|------|-------|------|-------------|------|---------|------|-------------|------|--------------|------|
| | Daniel. | | Green River. | | Durango. | | Grand Junction. | | Gunnison. | | Meeker. | | Steamboat Springs. | | Emery. | | Hite. | | Moab. | | St. George. | | Vernal. | | Bloomfield. | | Fort Bayard. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 43 | 26 | 44 | 34 | 64 | 34 | 71 | 49 | 69 | 27 | 68 | 40 | 66 | 29 | 72 | 22 | 72 | 59 | 74 | 57 | 65 | 45 | 66 | 33 | 74 | 34 | 68 | 40 |
| 2.... | 39 | 34 | 46 | 30 | 52 | 35 | 52 | 40 | 63 | 17 | 50 | 33 | 58 | 28 | 70 | 25 | 66 | 44 | 74 | 37 | 67 | 38 | 60 | 29 | 63 | 34 | 65 | 39 |
| 3.... | 45 | 10 | 55 | 25 | 56 | 34 | 61 | 35 | 54 | 17 | 53 | 24 | 54 | 25 | 66 | 23 | 69 | 45 | 67 | 38 | 73 | 33 | 68 | 21 | 64 | 28 | 61 | 32 |
| 4.... | 59 | 29 | 61 | 36 | 68 | 28 | 69 | 34 | 62 | 14 | 63 | 19 | 62 | 19 | 67 | 21 | 79 | 42 | 77 | 33 | 82 | 40 | 77 | 30 | 72 | 25 | 68 | 34 |
| 5.... | 57 | 23 | 67 | 31 | 71 | 35 | 76 | 39 | 66 | 21 | 79 | 25 | 67 | 24 | 73 | 26 | 86 | 47 | 83 | 38 | 88 | 39 | 80 | 29 | 79 | 31 | 74 | 39 |
| 6.... | 64 | 22 | 74 | 31 | 74 | 35 | 80 | 46 | 70 | 19 | 75 | 30 | 70 | 24 | 70 | 21 | 89 | 47 | 89 | 60 | 92 | 43 | 82 | 30 | 83 | 31 | 77 | 40 |
| 7.... | 66 | 26 | 75 | 45 | 72 | 41 | 82 | 52 | 68 | 25 | 79 | 31 | 71 | 26 | 75 | 25 | 89 | 51 | 89 | 47 | 88 | 39 | 85 | 29 | 84 | 43 | 79 | 52 |
| 8.... | 67 | 26 | 76 | 44 | 72 | 42 | 77 | 59 | 69 | 39 | 77 | 39 | 69 | 28 | 74 | 28 | 86 | 58 | 86 | 54 | 86 | 44 | 84 | 30 | 80 | 42 | 74 | 41 |
| 9.... | 68 | 23 | 80 | 42 | 74 | 35 | 81 | 50 | 79 | 29 | 73 | 33 | 72 | 32 | 77 | 35 | 87 | 49 | 89 | 42 | 89 | 45 | 85 | 31 | 81 | 33 | 77 | 43 |
| 10.... | 69 | 26 | 70 | 43 | 75 | 37 | 82 | 50 | 71 | 24 | 76 | 31 | 71 | 28 | 80 | 32 | 88 | 54 | 88 | 50 | 90 | 50 | 84 | 30 | 83 | 36 | 78 | 46 |
| 11.... | 64 | 31 | 75 | 43 | 76 | 37 | 80 | 47 | 74 | 25 | 74 | 33 | 72 | 28 | 78 | 31 | 88 | 60 | 88 | 47 | 90 | 51 | 85 | 30 | 82 | 38 | 79 | 49 |
| 12.... | 65 | 33 | 59 | 43 | 75 | 37 | 84 | 56 | 75 | 24 | 76 | 29 | 74 | 26 | 73 | 32 | 90 | 54 | 87 | 47 | 86 | 62 | 85 | 31 | 84 | 37 | 79 | 49 |
| 13.... | 57 | 30 | 59 | 31 | 66 | 38 | 76 | 49 | 64 | 26 | 77 | 30 | 68 | 33 | 75 | 31 | 81 | 66 | 82 | 60 | 89 | 40 | 84 | 30 | 80 | 42 | 76 | 43 |
| 14.... | 54 | 25 | 64 | 29 | 61 | 31 | 66 | 44 | 59 | 31 | 61 | 35 | 66 | 31 | 73 | 30 | 76 | 52 | 74 | 44 | 81 | 37 | 85 | 30 | 69 | 30 | 70 | 41 |
| 15.... | 53 | 27 | 71 | 42 | 67 | 30 | 74 | 44 | 61 | 21 | 65 | 23 | 62 | 21 | 78 | 31 | 82 | 47 | 82 | 39 | 89 | 37 | 84 | 28 | 74 | 26 | 73 | 40 |
| 16.... | 55 | 23 | 61 | 45 | 74 | 34 | 80 | 50 | 69 | 25 | 67 | 45 | 73 | 31 | 75 | 32 | 89 | 59 | 88 | 48 | 91 | 39 | 85 | 31 | 81 | 32 | 76 | 42 |
| 17.... | 62 | 42 | 75 | 41 | 74 | 38 | 81 | 53 | 70 | 31 | 72 | 39 | 69 | 42 | 71 | 30 | 90 | 58 | 90 | 50 | 92 | 51 | 84 | 29 | 86 | 39 | 79 | 49 |
| 18.... | 67 | 38 | 64 | 40 | 74 | 36 | 83 | 56 | 71 | 27 | 75 | 43 | 74 | 32 | 76 | 31 | 87 | 65 | 87 | 56 | 83 | 57 | 92 | 53 | 84 | 41 | 79 | 43 |
| 19.... | 61 | 33 | 51 | 36 | 66 | 44 | 68 | 45 | 61 | 33 | 66 | 34 | 64 | 34 | 80 | 32 | 74 | 65 | 68 | 53 | 82 | 50 | 90 | 32 | 76 | 49 | 75 | 43 |
| 20.... | 54 | 24 | 61 | 31 | 67 | 31 | 67 | 42 | 61 | 19 | 54 | 32 | 55 | 34 | 81 | 35 | 81 | 48 | 76 | 38 | 86 | 42 | 89 | 30 | 72 | 29 | 75 | 48 |
| 21.... | 58 | 29 | 68 | 33 | 73 | 41 | 75 | 42 | 68 | 25 | 65 | 32 | 62 | 35 | 80 | 32 | 88 | 59 | 83 | 48 | 93 | 48 | 87 | 29 | 81 | 41 | 80 | 49 |
| 22.... | 70 | 27 | 77 | 32 | 78 | 40 | 82 | 50 | 75 | 23 | 74 | 30 | 74 | 26 | 79 | 35 | 93 | 58 | 90 | 44 | 97 | 52 | 91 | 32 | 85 | 37 | 83 | 52 |
| 23.... | 75 | 34 | 81 | 38 | 83 | 42 | 88 | 53 | 79 | 27 | 79 | 34 | 79 | 29 | 83 | 37 | 97 | 55 | 97 | 46 | 97 | 50 | 90 | 32 | 89 | 41 | 80 | 50 |
| 24.... | 71 | 33 | 82 | 42 | 80 | 43 | 87 | 56 | 70 | 29 | 78 | 40 | 76 | 36 | 83 | 38 | 95 | 58 | 96 | 54 | 96 | 56 | 94 | 34 | 89 | 43 | 83 | 55 |
| 25.... | 70 | 40 | 85 | 42 | 79 | 44 | 87 | 53 | 72 | 32 | 79 | 39 | 72 | 38 | 81 | 39 | 94 | 74 | 95 | 54 | 96 | 59 | 94 | 32 | 86 | 47 | 82 | 53 |
| 26.... | 79 | 32 | 80 | 45 | 82 | 44 | 90 | 60 | 78 | 37 | 81 | 42 | 79 | 34 | 79 | 48 | 97 | 59 | 97 | 52 | 97 | 59 | 95 | 35 | 92 | 45 | 85 | 55 |
| 27.... | 74 | 32 | 80 | 48 | 75 | 46 | 79 | 64 | 70 | 41 | 74 | 44 | 75 | 35 | 80 | 47 | 92 | 69 | 92 | 63 | 92 | 58 | 96 | 36 | 78 | 55 | 82 | 51 |
| 28.... | 73 | 34 | 81 | 51 | 78 | 44 | 87 | 57 | 76 | 39 | 79 | 40 | 73 | 35 | 71 | 43 | 94 | 69 | 93 | 61 | 83 | 57 | 106 | 39 | 84 | 52 | 84 | 52 |
| 29.... | 69 | 43 | 79 | 50 | 78 | 41 | 84 | 59 | 78 | 38 | 80 | 39 | 82 | 38 | 81 | 45 | 85 | 63 | 87 | 59 | 75 | 44 | 105 | 37 | 84 | 41 | 80 | 45 |
| 30.... | 69 | 42 | 82 | 49 | 81 | 38 | 86 | 50 | 76 | 29 | 81 | 35 | 80 | 35 | 82 | 41 | 91 | 53 | 91 | 46 | 85 | 43 | 101 | 35 | 87 | 45 | 81 | 45 |
| 31.... | 75 | 39 | 83 | 42 | 82 | 39 | 88 | 58 | 80 | 37 | 80 | 39 | 81 | 35 | 80 | 42 | 93 | 54 | 94 | 49 | 91 | 47 | 90 | 32 | 91 | 40 | 83 | 49 |
| Mns.. | 63.0 | 30.2 | 69.7 | 39.2 | 72.5 | 37.9 | 78.2 | 49.7 | 69.6 | 27.5 | 71.9 | 34.3 | 70.0 | 30.7 | 76.2 | 32.9 | 86.1 | 56.2 | 85.6 | 48.8 | 86.7 | 46.9 | 86.5 | 30.9 | 80.1 | 38.3 | 76.9 | 45.5 |

| Date. | Arizona. | | | | | | | | | | | | | | | | | | | | Logan, Nev. | |
|-----------|----------|------|------------|------|-----------------|------|---------------|------|---------|------|----------|------|-----------|------|---------------|------|---------|------|-------|------|----------------|------|
| | Bisbee. | | Flagstaff. | | Fort Apache. §§ | | Grand Canyon. | | Parker. | | Phoenix. | | Prescott. | | St. Michaels. | | Tucson. | | Yuma. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 77 | 46 | 51 | 32 | 70 | 27 | 80 | 22 | 82 | 40 | 73 | 54 | 57 | 35 | 62 | 50 | 79 | 54 | 74 | 51 | 70 | 46 |
| 2..... | 76 | 38 | 48 | 21 | 61 | 29 | 64 | 20 | 82 | 40 | 73 | 46 | 54 | 26 | 55 | 27 | 72 | 41 | 82 | 47 | 72 | 40 |
| 3..... | 78 | 43 | 51 | 18 | 61 | 28 | 66 | 21 | 85 | 43 | 77 | 48 | 58 | 23 | 52 | 31 | 72 | 44 | 86 | 50 | 79 | 38 |
| 4..... | 78 | 47 | 64 | 20 | 71 | 31 | 70 | 24 | 93 | 52 | 82 | 50 | 69 | 27 | 64 | 23 | 79 | 38 | 91 | 50 | 88 | 44 |
| 5..... | 74 | 47 | 70 | 23 | 81 | 36 | 70 | 26 | 96 | 50 | 91 | 52 | 78 | 33 | 74 | 30 | 90 | 41 | 96 | 55 | 94 | 46 |
| 6..... | 71 | 44 | 70 | 30 | 82 | 39 | 72 | 28 | 99 | 58 | 94 | 56 | 78 | 35 | 73 | 32 | 95 | 48 | 98 | 57 | 95 | 48 |
| 7..... | 73 | 40 | 67 | 29 | 81 | 36 | 74 | 30 | 98 | 56 | 89 | 56 | 72 | 35 | 75 | 34 | 91 | 48 | 93 | 55 | 90 | 46 |
| 8..... | 74 | 53 | 65 | 27 | 78 | 35 | 76 | 32 | 94 | 54 | 87 | 57 | 69 | 34 | 70 | 33 | 87 | 51 | 92 | 56 | 90 | 48 |
| 9..... | 80 | 50 | 69 | 29 | 81 | 37 | 76 | 34 | 98 | 54 | 89 | 57 | 75 | 36 | 74 | 34 | 91 | 50 | 95 | 58 | 92 | 48 |
| 10..... | 82 | 52 | 69 | 31 | 83 | 38 | 78 | 34 | 98 | 56 | 92 | 56 | 76 | 35 | 74 | 37 | 93 | 50 | 97 | 56 | 92 | 51 |
| 11..... | 83 | 55 | 71 | 29 | 84 | 36 | 78 | 36 | 99 | 61 | 93 | 58 | 77 | 37 | 76 | 35 | 93 | 51 | 100 | 57 | 93 | 49 |
| 12..... | 77 | 47 | 68 | 31 | 81 | 39 | 80 | 34 | 98 | 57 | 92 | 60 | 74 | 37 | 75 | 41 | 90 | 56 | 96 | 58 | 88 | 51 |
| 13..... | 81 | 50 | 62 | 32 | 75 | 33 | 78 | 34 | 98 | 49 | 85 | 61 | 69 | 43 | 67 | 38 | 87 | 54 | 90 | 58 | 84 | 51 |
| 14..... | 75 | 47 | 63 | 23 | 75 | 32 | 80 | 34 | 97 | 52 | 86 | 53 | 69 | 30 | 63 | 32 | 84 | 49 | 94 | 55 | 81 | 49 |
| 15..... | 80 | 50 | 66 | 25 | 78 | 35 | 80 | 36 | 98 | 55 | 88 | 55 | 73 | 32 | 67 | 27 | 88 | 48 | 96 | 55 | 90 | 46 |
| 16..... | 78 | 43 | 70 | 29 | 81 | 37 | 80 | 36 | 99 | 56 | 91 | 55 | 77 | 36 | 74 | 32 | 92 | 49 | 97 | 57 | 94 | 52 |
| 17..... | 80 | 50 | 71 | 35 | 84 | 40 | 82 | 34 | 100 | 57 | 94 | 57 | 79 | 40 | 76 | 44 | 92 | 53 | 97 | 58 | 94 | 53 |
| 18..... | 81 | 52 | 67 | 42 | 82 | 37 | 80 | 36 | 95 | 58 | 93 | 60 | 77 | 37 | 75 | 38 | 92 | 52 | 92 | 59 | 89 | 52 |
| 19..... | 80 | 56 | 64 | 41 | 76 | 37 | 78 | 36 | 95 | 58 | 85 | 59 | 73 | 41 | 70 | 39 | 88 | 53 | 89 | 62 | 90 | 48 |
| 20..... | 79 | 49 | 69 | 30 | 80 | 40 | 80 | 36 | 96 | 56 | 89 | 57 | 78 | 39 | 70 | 31 | 89 | 53 | 93 | 57 | 96 | 49 |
| 21..... | 82 | 54 | 71 | 37 | 83 | 44 | 78 | 34 | 99 | 58 | 91 | 60 | 81 | 42 | 76 | 38 | 93 | 53 | 95 | 56 | 99 | 49 |
| 22..... | 86 | 58 | 78 | 37 | 90 | 47 | 80 | 34 | 100 | 58 | 96 | 64 | 85 | 45 | 80 | 38 | 96 | 55 | 99 | 59 | 99 | 49 |
| 23..... | 88 | 62 | 75 | 38 | 90 | 57 | 80 | 36 | 98 | 61 | 98 | 65 | 85 | 45 | 83 | 44 | 101 | 57 | 99 | 62 | 96 | 52 |
| 24..... | 86 | 62 | 75 | 45 | 89 | 58 | 82 | 36 | 103 | 63 | 94 | 67 | 80 | 52 | 81 | 50 | 95 | 70 | 97 | 63 | 100 | 64 |
| 25..... | 81 | 53 | 74 | 39 | 95 | 48 | 81 | 38 | 101 | 67 | 98 | 72 | 82 | 47 | 77 | 49 | 93 | 70 | 98 | 62 | 100 | 57 |
| 26..... | 85 | 55 | 76 | 43 | 90 | 52 | 82 | 38 | 102 | 61 | 99 | 67 | 78 | 48 | 84 | 42 | 98 | 59 | 95 | 67 | 98 | 56 |
| 27..... | 85 | 50 | 74 | 40 | 94 | 51 | 82 | 36 | 99 | 62 | 95 | 65 | 74 | 44 | 75 | 47 | 99 | 61 | 95 | 60 | 95 | 57 |
| 28..... | 84 | 55 | 68 | 37 | 86 | 40 | 82 | 30 | 85 | 49 | 89 | 64 | 73 | 51 | 80 | 44 | 95 | 58 | 80 | 58 | 86 | 50 |
| 29..... | 82 | 54 | 61 | 37 | 79 | 37 | 84 | 34 | 89 | 51 | 82 | 55 | 70 | 32 | 75 | 38 | 87 | 52 | 86 | 54 | 74 | 46 |
| 30..... | 82 | 53 | 68 | 26 | 83 | 40 | 85 | 32 | 90 | 58 | 89 | 55 | 75 | 33 | 79 | 36 | 93 | 50 | 94 | 55 | 87 | 44 |
| 31..... | 84 | 53 | 71 | 29 | 90 | 45 | 85 | 30 | 100 | 58 | 96 | 59 | 81 | 36 | 81 | 39 | 95 | 51 | 94 | 56 | 93 | 54 |
| Mean..... | 80.2 | 50.6 | 67.3 | 31.8 | 81.1 | 39.4 | 78.2 | 32.5 | 95.7 | 55.1 | 89.4 | 58.1 | 74.1 | 37.6 | 72.8 | 37.2 | 90.0 | 52.2 | 92.9 | 56.9 | 89.9 | 49.8 |

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 10, GREAT BASIN.

ALFRED H. THIESSEN, Section Director.

GENERAL SUMMARY.

Favorable conditions prevailed generally throughout the whole month of May, 1913. There was a small excess in temperatures, which was beneficial, and a deficiency in precipitation, which, however, was not harmful. In the Utah area there were some frosts during the forepart of the month and ice occurred in the mountain districts. The frost did a great deal of damage, though several communities reported no losses.

The average number of rainy days was 3, clear days 14, partly cloudy days 10, and cloudy days 7.

TEMPERATURE.

For the district as a whole the temperature for the month of May averaged 55.9° , which is 1.3° below normal. The local mean temperatures ranged from 43.7° at Woodruff, Utah, to 71.0° at Jean, Nev., but the means at the majority of stations averaged between 50° and 60° . Almost all stations reported averages above normal. The lowest means occurred in the Idaho and Wyoming areas, and the highest in the Utah and southern portion of the Nevada areas.

Deficiencies in temperature occurred at a few scattered stations both in the Utah and Nevada areas, while excesses which were not large were the rule. The greatest local deficiency was 3.9° at Woodruff, Utah, where the mean was 43.7° ; and the greatest excess was 5.6° at Burns, Oreg., where the mean was 54.4° .

The forepart of the month was cool, while the latter part was warm. The lowest temperatures occurred on the 1st, 2d, and 3d, and on those days ranged from 5° at Tecoma, Nev., to 35° at Midlake, Utah, and Lahontan, Nev. After the 3d a change to warmer set in, but the temperature rose slowly until the beginning of the last decade, which was the warmest of the month, the temperatures averaging above normal.

The highest temperatures occurred on various dates from the 22d to the end of the month, but generally on the 24th, 25th, and 26th. The highest temperatures for the month in the respective States or parts of States were: 86° on the 28th at Cokeville, Wyo.; 92° on the 31st at Grace, Idaho; 107° on the 26th at Midvale, Utah; 98° on the 22d at Jean, Nev.; 89° on the 26th at Burns, Oreg., and 74° on the 16th at Bridgeport and on the 24th at Tahoe, Cal.

PRECIPITATION.

The precipitation for the district averaged 0.96 inch, which is 0.38 inch below normal. The precipitation chart shows quite heavy amounts in the northern portion of the Utah and western portion of the Nevada area, but in the former section all the amounts were below normal.

In the Nevada area the rainfall for the month was the heaviest May rainfall since 1906. In the Utah area only one-half the normal fell. While no droughty conditions developed, moisture was badly needed at the close of the month, the creeks having fallen rapidly despite the warm weather's effect on the mountain snow after the 15th.

Light showers fell on the 1st and 2d in the extreme northeastern portion of the district. Showers began again on the 6th in the Oregon and California areas, becoming somewhat general on the 13th in Utah, and again on the 18th with scattered showers on adjacent dates. In the Oregon, Nevada, and California areas, rain was heaviest during the last five days of the month, but light in other parts of the district. On the 27th thunderstorms occurred at many stations, and lightning struck the Government telephone and power line at Spanish Fork, Utah, doing damage to some electrical equipment, and a team was reported killed by lightning a mile distant from that place.

SNOW SURVEY OF BIG COTTONWOOD WATERSHED.

By H. K. BURTON, Assistant Engineer, assisted by W. A. RICHMOND.

During the month of April, 1913, a snow survey was made of Big Cottonwood Canyon. The party, consisting of five men and a team, with complete equipment for two parties, left the city April 23, returning May 3.

The objects of the survey were to determine the depth and density of the snow in the main forks of the canyon, the approximate surface supply at the beginning of the melting season, the physical condition of the snow, and the condition of the ground surface beneath the snow layer.

The information thus obtained will be of relative value for this year only, as we have but the survey of 1912 for comparison, and the conditions this year differ greatly from what were found then.

The observations should be continued for several years in order to get data for the reliable calculation of the available water supply.

From the first camp at Maxfield Lodge trips were made to the head of Broads Fork; Mill B, South Fork; and Mineral Fork. At frequent intervals soundings of depth were taken by means of a graduated steel-pointed rod.

At representative points measurements were made of the depth and density of the snow by the use of graduated galvanized-iron tubes, one set being 2 inches and the other 3 inches in diameter. The density determination consisted of weighing the tube and the inclosed core of snow on a spring balance so graduated that the equivalent in inches of water could be read off directly.

The second camp was made at the United States planting station, where trips were made to the head of Mill D, South Fork; Mill D, North Fork; Days Fork; Silver Fork; and Willow Patch Fork.

The third camp was made at Brighton, from which Mill F, East Fork; Brighton Basin; and the head of Mill F, South Fork, were thoroughly covered.

In addition to the numerous soundings of depth there were 120 density measurements made throughout the main canyon and various forks. The measurements were made at elevations ranging from 6,300 to 9,600 feet, and the depth of snow varied from 1 to 9 feet.

The following table gives the number of soundings, average depth, water equivalent, density, acre-feet, and square miles for each of the forks, and from these data the conditions in Bear Trap Fork and the north side of the canyon from Mill B, North Fork, to Willow Patch, where the snow lay in patches, were estimated:

| Location. | Elevation. | Number of soundings. | Average depth. | Water equivalent. | Per cent density. | Acre-feet. | Square miles. |
|-----------------------------------------|--------------|----------------------|------------------------|-------------------|-------------------|------------|---------------|
| | <i>Feet.</i> | | <i>Ft. In. Inches.</i> | | | | |
| Broads Fork..... | 6,300-9,600 | 10 | 3 8 | 17.41 | 37.0 | 1,952.7 | 2.1 |
| Mill B, South Fork..... | 6,640-9,050 | 13 | 4 1 | 14.05 | 35.9 | 2,158.1 | 2.4 |
| Mineral Fork..... | 6,880-8,530 | 8 | 3 4 | 14.70 | 36.1 | 1,489.8 | 1.9 |
| Mill D, South Fork..... | 7,075-9,400 | 20 | 3 9 | 18.78 | 38.8 | 5,178.3 | 5.17 |
| Mill D, North Fork..... | 7,320-8,600 | 9 | 3 4 | 12.44 | 34.0 | 1,679.1 | 2.53 |
| Days Fork..... | 7,470-8,940 | 10 | 4 8 | 22.05 | 38.9 | 2,658.4 | 2.26 |
| Silver Fork..... | 7,700-9,500 | 9 | 4 1 | 18.46 | 38.9 | 2,086.8 | 2.12 |
| Willow Patch Fork..... | 7,750-8,850 | 6 | 3 6 | 14.80 | 38.4 | 1,081.1 | 1.37 |
| Mill F, East Fork..... | 8,150-9,250 | 8 | 5 1 | 23.11 | 38.2 | 1,472.2 | 1.6 |
| Main Canyon and Brighton Basin..... | 8,700-9,540 | 27 | 5 4 | 23.42 | 37.5 | 8,486.3 | 6.8 |
| Bear Trap Fork..... | 7,550-8,750 | 0 | 3 5 | 15.33 | 37.4 | 1,528.7 | 2.16 |
| North side, Mill B to Willow Patch..... | 6,700-9,000 | 0 | 3 0 | 13.46 | 37.4 | 1,433.6 | 2.0 |
| Total..... | | 120 | | | | 31,705.1 | 32.41 |
| Average..... | | | 3 11 | 18.34 | 37.4 | | |
| Over total watershed..... | | | | 12.26 | | 31,705.1 | 48.5 |
| Over total watershed for 1912..... | | | | 21.5 | | | |

The water equivalent is 12.26 inches for the total watershed of 48.5 square miles.

The water equivalent for the entire watershed for 1912 was 21.5 inches.

From information gathered from residents of the canyon, the snowfall was unusually light this year, most of it coming in February and March. This late snow is already going very fast in the lower portions of the canyon. At the head of the various forks and around the higher lakes the difference in the snowfall was not so great, being about 80 per cent of what was found there last year. The snow was well packed and the ground in good condition to receive the water.

The north face of the main canyon from the mouth of Mill D, North Fork, was practically bare. Above Mill D north the snow increased in depth to 3 feet 4 inches at the Brighton Hotel.

Along the bottom of the canyon six slides had come down across the road between Mill B, South Fork, and the Maxfield mine, but the first snow in place was found at Argenta, where it appeared in patches, increasing to the forestry station, at which point the snow was about 1 foot deep.

In all of the south forks the usual conditions of snow-slides were found, where the snow had slid off the precipitous sides of the canyons, packing solidly in the bottom of the gulches.

The general conditions would indicate that there will be no high water this spring.

The snow in the higher portions of the watershed, being well packed, should come off more slowly, and the ground being in good condition to receive and hold the water, it will help our late summer supply to some extent, but the general conditions would indicate a lower flow during the late summer than we had last year.

SNOW SURVEY ON POLE CREEK WATERSHED, SAN-PETE COUNTY, UTAH.

By B. F. ELIASON, Cooperative Observer, Moroni, Utah.

The area covered by the Pole Canyon snow survey was more limited than last year, but the survey was more thoroughly done, because last season only a measuring stick was used, while this year a snow density tube, Weather Bureau pattern, was used in addition.

The work was done April 14, this year, and last year on April 29. Where the snow measured 18 inches last year, this year it measured 15 inches, equaling 4.1 inches of water, or a density of 27 per cent. This was due to the very saturated condition of the snow, the day being clear and abnormally warm. The snow was solidly crusted last year, but this year it was soft, breaking under the weight of my dog, or even smaller animals.

Following the old road up the wash or canyon from here, the conditions were practically the same as last year. The snow increased with elevation, and the layer was heavier on the shady slopes than elsewhere. The outfit was heavier and more cumbersome than last year, so I did not deploy from Pole Creek. The course this year from the left-hand fork of Pole Creek was due north to Jack's Springs, across the bare side, which last year was covered with snow.

The snow in the vicinity of Jack's Springs averaged 33.6 inches from a series of 12 measurements, and contained 10.4 inches of water, whereas last year there was only 5.2 inches of snow. From this point to the head of right-hand fork of Pole the snow was practically the same as that at Jack's Springs, averaging 33.8 inches, with a water equivalent of 10.7 inches. Last year there was about 40 inches of snow in this region. Monument Peak and the Birch Creek drainage area were not visited, but on the return trip the flat below the lake at the junction of the lake water with that from the west and Jack's Springs was visited, and I found the snow 28 inches deep, carrying 8.7 inches of water, while last year there was 40 inches of snow there.

The snow on Dutchman's Flat measured 26 inches and contained 7.8 inches of water. Last year it was 28 inches deep and quite solid as it faced the sun. This snow gives us our earliest water, and is therefore important, as the later snow is lost by seepage and evaporation.

Dry Lake Flat, 500 yards west of here, carried snow to the depth of 31.5 inches, and contained 9.5 inches of water. The lake, which is dry during the summer, was partly full at the time of the visit. The route then took a course west up the left-hand fork of Pole Creek. Here the snow was 28 inches deep, with 9 inches of water, while last year it was 32 inches deep.

The trip was a success as a help in the future, standardizing of our farm operations as governed by the water supply. The snow tube and balance were much superior to the measuring stick alone as used last year. This year the actual water equivalent of the snow layer was obtained.

TABLE 1.—Climatological data for May, 1913. District No. 10, Great Basin—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|----------------------|------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|-----------------------|---------------------------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------------------|----------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| Utah—Continued. | | | | | | | | | | | | | | | | | | | | |
| Utah Lake Pmpg. Sta. | Utah | 4,500 | 5 | 59.2 | ..... | 85 | 23† | 24 | 2 | 37 | 0.39 | ..... | 0.31 | T. | 4 | 15 | 9 | 7 | ..... | W. A. Knight. |
| Vernon | Tooele | 5,500 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.61 | ..... | 0.35 | T. | 4 | 16 | 13 | 2 | sw. | Glynn Bennion. |
| Wendover | do. | 4,237 | 1 | 63.4 | ..... | 91 | 25 | 37 | 4 | 34 | 0.24 | ..... | 0.18 | ..... | 2 | 2 | ..... | ..... | ..... | J. S. Cooper. |
| Whiskey Creek | Millard | 4,850 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. | ..... | T. | 0 | 0 | ..... | ..... | ..... | ..... | Geo. Stevens. |
| Winder | Garfield | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.03 | ..... | 0.02 | ..... | 2 | 2 | ..... | ..... | ..... | Rollo Adair. |
| Woodruff | Rich. | 6,500 | 10 | 43.7† | - 3.9 | 79 | 26 | 6 | 2 | 60 | 0.65 | - 0.57 | 0.35 | 0 | 2 | 11† | 7† | 5† | sw. | A. L. Eastman. |
| Nevada. | | | | | | | | | | | | | | | | | | | | |
| Austin | Lander | 6,594 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | F. O. Booe. |
| Battle Mountain | do. | 4,843 | 2 | 58.3 | + 1.0 | 91 | 24† | 18 | 1 | 51 | 0.41 | - 0.34 | 0.15 | 0 | 3 | 23 | 4 | 4 | nw. | Southern Pacific Co. |
| Beowawe | Eureka | 4,905 | 42 | ..... | ..... | 90 | 29† | ..... | ..... | ..... | ..... | ..... | ..... | 0 | ..... | 15 | 9 | 7 | s. | Do. |
| Carlin | Elko | 5,232 | 42 | 55.5* | + 2.4 | 90 | 22† | 11* | 2 | 57* | 1.55 | + 0.91 | 0.50 | 0 | 6 | ..... | ..... | ..... | ..... | J. H. Leishman. |
| Cherry Creek | White Pine | 6,450 | 5 | 54.0 | ..... | 83 | 25 | 18 | 2 | 40 | 1.66 | ..... | 0.58 | 0.5 | 8 | 12 | 10 | 9 | w. | I. F. Wiseman. |
| Clover Valley | Elko | 6,000 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Do. |
| Columbia | Esmeralda | 5,750 | 6 | 56.5 | ..... | 86 | 23† | 23 | 2 | 41 | 1.80 | ..... | 1.02 | 0 | 5 | 19 | 8 | 4 | se. | J. H. Leishman. |
| Dry Farm | Elko | 5,600 | 1 | 54.2 | ..... | 85 | 9 | 21 | 2 | 41 | 1.26 | ..... | 0.89 | 0 | 4 | ..... | ..... | ..... | ..... | I. F. Wiseman. |
| Elko | do. | 5,432 | 42 | 51.0 | - 3.0 | 94 | 9 | 8 | 2 | 63 | 1.27 | + 0.48 | 0.80 | 0 | 3 | 21 | 2 | 8 | nw. | A. Booth. |
| Eureka | Eureka | 6,500 | 15 | 53.4 | + 2.5 | 83 | 25 | 15 | 2 | 43 | 3.16 | + 1.65 | 1.48 | 1.0 | 3 | 7 | 10 | 14 | s. | Walfrid Sohlman. |
| Fallon | Churchill | 3,965 | 19 | 58.5 | + 2.8 | 91 | 25† | 21 | 2 | 44 | 2.15 | + 1.43 | 1.71 | 0 | 3 | 12 | 16 | 3 | w. | Western Pacific Co. |
| Fernley | Lyon | 4,200 | 40 | 58.7 | + 0.1 | 92 | 22† | 25 | 2 | 52 | 3.34 | + 2.87 | 2.20 | 0 | 3 | 21 | 10 | 0 | w. | Clay Simms. |
| Gardnerville | Douglas | 4,830 | 22 | 54.8 | + 1.7 | 83 | 25† | 21 | 1† | 44 | 1.20 | + 0.53 | 0.66 | 0 | 3 | 19 | 6 | 6 | nw. | U. S. Experiment Station. |
| Gerlach | Washoe | 3,931 | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.70 | ..... | 0.40 | 0 | 2 | 18 | 0 | 13 | nw. | Mrs. G. A. Steele. |
| Geyser | Lincoln | 6,055 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Forest Service. |
| Glenbrook | Douglas | 6,240 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Western Pacific Co. |
| Golconda | Humboldt | 4,697 | 34 | 59.2 | + 2.6 | 96 | 27 | 21 | 2 | 50 | 0.75 | - 0.05 | 0.40 | 0 | 2 | 7 | 15 | 9 | w. | Mrs. J. F. Wambolt. |
| Halleck | Elko | 5,631 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. C. Henningsen. |
| Jean | Clark | 2,074 | 5 | 71.0 | ..... | 96 | 22 | 42 | 5† | 51 | 0.00 | ..... | 0.00 | 0 | 0 | 26 | 5 | 0 | nw. | Southern Pacific Co. |
| Lahontan | Churchill | 4,200 | 1 | 61.7 | ..... | 94 | 25 | 35 | 1 | 41 | 2.17 | ..... | 1.79 | 0 | 5 | 16 | 13 | 2 | w. | Do. |
| Lewers Ranch | Washoe | 5,500 | 25 | 54.0 | + 0.9 | 83 | 25 | 23 | 1† | 47 | 2.13 | + 0.45 | 1.35 | 0 | 4 | 3 | 23 | 5 | ..... | Salt Lake Route. |
| Lida | Esmeralda | 6,037 | 0 | 54.2 | ..... | 82 | 23 | 23 | 2 | 37 | 2.53 | ..... | 1.50 | 0 | 5 | 24 | 3 | 4 | se. | U. S. Reclamation Service. |
| Lovelock | Humboldt | 3,977 | 19 | 58.0 | - 2.0 | 94 | 26 | 22 | 1 | 50 | 1.69 | + 1.38 | 0.62 | 0 | 4 | 15 | 9 | 7 | sw. | Ross Lewers. |
| McDermitt | do. | 4,700 | 23 | ..... | ..... | 88 | 24 | 21 | 1† | ..... | 0.87 | - 0.79 | 0.57 | 0 | 4 | ..... | ..... | ..... | ..... | L. F. Detwiler. |
| McGill | White Pine | 6,338 | 22 | 54.5 | + 3.8 | 82 | 24† | 15 | 3 | 45 | 0.78 | - 0.78 | 0.42 | 0.2 | 4 | 13 | 13 | 5 | s. | A. P. Tilford. |
| Metropolis | Elko | ..... | 0 | 53.4 | ..... | 88 | 26 | 16 | 2 | 48 | 0.96 | ..... | 0.67 | 0 | 2 | ..... | ..... | ..... | ..... | Scott Sterling. |
| Millett | Nye | 6,002 | 5 | 54.6 | ..... | 85 | 19† | 19 | 1 | 48 | 1.72 | ..... | 1.02 | 0 | 3 | 10 | 12 | 9 | w. | R. E. Middagh. |
| Mina | Mineral | 4,600 | 6 | 59.9 | ..... | 96 | 25 | 27 | 2 | 45 | 1.59 | ..... | 0.70 | 0 | 3 | 17 | 2 | 12 | ..... | O. W. Lloyd. |
| Oasis Ranch | Esmeralda | 5,106 | 0 | 60.8 | ..... | 92 | 24 | 24 | 2 | 54 | 1.83 | ..... | 1.35 | 0 | 3 | 22 | 3 | 6 | s. | Fred J. Jones. |
| Potts | Nye | 6,990 | 20 | 49.6 | - 3.6 | 83 | 23 | 16 | 3 | 49 | 3.40 | + 2.33 | 3.00 | 0 | 3 | 7 | 4 | 20 | s. | Southern Pacific Co. |
| Quinn River Ranch | Humboldt | 4,850 | 11 | 58.2* | + 5.2 | 91* | 26 | 20* | 14 | 54* | 1.18 | + 0.74 | 0.84 | 0 | 4 | ..... | ..... | ..... | ..... | A. S. Patterson. |
| Rebel Creek | do. | ..... | 1 | 56.4 | ..... | 93 | 26 | 21 | 3 | 49 | 0.91 | ..... | 0.33 | 0 | 5 | 13 | 10 | 8 | sw. | Miss Mamie Potts. |
| Reno | Washoe | 4,532 | 42 | 56.5 | + 2.9 | 86 | 25 | 27 | 2 | 39 | 1.00 | + 0.21 | 0.55 | T. | 7 | 14 | 12 | 5 | w. | F. M. Payne. |
| Soda Lake | Churchill | 4,534 | 6 | 59.0 | ..... | 90 | 24 | 27 | 1† | 40 | 2.07 | ..... | 1.53 | 0 | 5 | 12 | 16 | 3 | nw. | E. J. Hyatt. |
| Tecoma | Elko | 4,812 | 35 | 51.8 | - 3.4 | 87 | 26† | 5 | 2 | 60 | 1.02 | + 0.33 | 0.52 | 0 | 5 | 6 | 16 | 9 | w. | U. S. Weather Bureau. |
| Tonopah | Nye | 6,090 | 8 | 56.0 | ..... | 81 | 24 | 22 | 1 | 34 | 1.11 | ..... | 0.86 | 0 | 6 | 17 | 13 | 1 | nw. | U. S. Reclamation Service. |
| Wells | Elko | 5,631 | 41 | 54.4 | + 1.2 | 85 | 25 | 11 | 1 | 48 | 0.90 | - 0.02 | 0.40 | 0 | 4 | 13 | 12 | 6 | ..... | Southern Pacific Co. |
| Winnemucca | Humboldt | 4,432 | 34 | 57.0 | + 2.6 | 90 | 26 | 20 | 1 | 44 | 0.45 | - 0.58 | 0.35 | 0.2 | 5 | 10 | 14 | 7 | sw. | U. S. Weather Bureau. |
| Oregon. | | | | | | | | | | | | | | | | | | | | |
| Burns | Harney | 4,157 | 22 | 54.4 | + 5.6 | 89 | 26 | 26 | 10 | 47 | 0.25 | - 0.54 | 0.12 | 0 | 3 | 14 | 10 | 7 | w. | J. C. Welcome, Jr. |
| Cliff | Lake | 4,300 | 6 | 48.9 | ..... | 85 | 26 | 10 | 1 | 53 | 0.85 | ..... | 0.58 | 0 | 3 | 6 | 17 | 8 | nw. | John C. Green. |
| Paisley | do. | 4,500 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. M. Sain. |
| Silver Lake | do. | 4,700 | 16 | 51.4 | + 2.6 | 85 | 26† | 15 | 3 | 50 | 0.96 | - 0.27 | 0.45 | 0 | 5 | 12 | 17 | 2 | sw. | G. W. Marvin. |
| California. | | | | | | | | | | | | | | | | | | | | |
| Bridgeport | Mono | 6,500 | 0 | 49.0 | ..... | 74 | 16 | 14 | 3 | 53 | 1.59 | ..... | 0.40 | 0 | 6 | 11 | 11 | 9 | sw. | A. F. Scott. |
| Cathedral Park | Eldorado | 6,400 | 0 | 48.2 | ..... | 72 | 2† | 30 | 2† | 42 | 0.44 | ..... | 0.24 | 0 | 4 | 15 | 7 | 9 | s. | Carl Fluegge. |
| Tahoe | Placer | 6,240 | 2 | 45.0 | ..... | 74 | 24† | 16 | 1 | 45 | 1.66 | ..... | 1.10 | 0 | 4 | 24 | 4 | 3 | w. | R. M. Watson. |
| Truckee | Nevada | 5,819 | 41 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Southern Pacific Co. |

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for May, 1913. District No. 10, Great Basin.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. |
|------------------|---------------|---------------|-----|---|---|---|----|----|----|---|-----|----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Wyoming. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Border | Bear | | | | | | | | | | | | | | | | | | .25 | .41 | T. | | | | | | | | | | | | 0.66 |
| Cokeville | do | .06 | | | | | | T. | | | | | | T. | | T. | .02 | T. | .08 | .14 | T. | | | | | T. | | T. | | | T. | .12 | 0.42 |
| Evanston | do | .28 | T. | | | | | | | | | | | T. | | T. | T. | .06 | | .05 | | | | | | T. | | .03 | | | | | 0.42 |
| Idaho. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geneva | Bear | .05 | .11 | | | | | | | | .14 | | | | | | | | .03 | .09 | | | | | | | | | | | .02 | .07 | 0.51 |
| Grace | do | T. | | | | | | | | | | | .20 | | | | | | .30 | .25 | | | | .04 | | | | | | | | | 0.79 |
| Paris | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weston | do | .05 | | | | | | | | | | | .16 | | | | | | .21 | .56 | .15 | | | .03 | | | | | | | | | 1.16 |
| Utah. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alpine | Gt. Salt Lake | | | | | | | | | | | | | | | | | | | .45 | | | | | | | | | | | | | 0.45 |
| Beaver | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Rock | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brigham | Gt. Salt Lake | | .15 | | | | | | | | | | | .06 | .08 | .02 | | | .06 | 1.38 | .02 | .02 | | | | .02 | | | | | .06 | | 1.87 |
| Burrville | Sevier Lake | .01 | | | | | | | | | | | | .01 | | | | | .30 | .07 | | | | | | | | | | | | | 0.02 |
| Castle Rock | Gt. Salt Lake | .10 | .03 | | | | | | | | | | | .05 | | | T. | .05 | .20 | | | | | | | | | T. | T. | | | | 0.43 |
| Cedar City | Desert | .07 | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.17 |
| Center | do | .04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.24 |
| Clarkston | Gt. Salt Lake | .20 | | | | | | | | | | | .20 | | | | | T. | T. | .10 | .10 | | | | | | | | | | | | 1.10 |
| Corinne | do | T. | | | | | | | | | | | .25 | | | | | | 1.05 | | .40 | | | | | | | | | | | | 1.30 |
| Deseret | Sevier Lake | T. | | | | | | | | | | | | | | | | | .08 | | | | | | | | | | T. | | T. | | 0.08 |
| Elberta | Gt. Salt Lake | | | | | | | | | | | | | .01 | | | | | | .01 | .03 | | | | | | | | .22 | | | | 0.32 |
| Enterprise | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erekson | do | * | .15 | | | | | | | | | | | .05 | | | | | | .45 | | | | | | | | | | | | .02 | 0.67 |
| Farmington | Gt. Salt Lake | | | | | | | | | | | | | | | | T. | | .03 | .07 | .05 | | | | | | | | | | | | 0.78 |
| Fillmore | Sevier Lake | .01 | | | | | | | | | | | | | | | | | .48 | | | | | | | | | | | | | | 0.49 |
| Garland | Gt. Salt Lake | .05 | | | | | | | | | | | .09 | | | | | .20 | .72 | .09 | | | | | | | | T. | .01 | | | | 1.16 |
| Garrison | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.50 |
| Government Creek | Desert | .33 | T. | | | | | | | | | | | .01 | | | | | | | .33 | .05 | | | | | | | | | .50 | T. | 0.82 |
| Granger | Gt. Salt Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.63 |
| Grantsville | do | .40 | | | | | | | | | | | | | | | | | | .23 | | | | | | | | | | | | | 1.45 |
| Grouse Creek | Desert | | | | | | | | | | | T. | | | | | | | .84 | .10 | .07 | | | | .21 | .09 | .14 | T. | | | | | 0.32 |
| Heber | Gt. Salt Lake | T. | | | | | | | | | | | | .20 | | | | | .12 | T. | | | | | | | | T. | | | | | 0.42 |
| Henefer | do | | | | | | | T. | | | | | .05 | | | | T. | T. | | .30 | | | | | | | | T. | .02 | | | | |
| Hooper | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ibex | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Josepa | do | .16 | | | | | | | | | | | | | | | | | | .50 | .05 | | | | | | | | | | | | 0.71 |
| Joy | do | T. | .20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .20 | 0.40 |
| Junction (near) | Sevier Lake | | | | | | | | | | | | | | | | | | | T. | | | | | | | | T. | T. | | | | |
| Kanosh | do | .04 | | | | | | | | | | | | | | | | | .47 | | | | | | | | | | | | | | 0.51 |
| Kelton | Gt. Salt Lake | | | | | | | | | | | | | | | | | | * | .70 | | | | | | T. | | | | | | | 0.70 |
| Lemay | Desert | | | | | | | | | | | | | | | | | | .60 | | .15 | | | | | | | | | | | | 0.75 |
| Levan | Sevier Lake | .13 | | | | | | | | | | | | | | | | | | .14 | | | | | | | | | | | | | 0.27 |
| Logan | Gt. Salt Lake | .10 | | | | | | | | | | | .15 | | | T. | | .17 | .75 | | | | | | .08 | | | | | | | | 1.25 |
| Low | Desert | T. | | | | | | | | | | | | | | | | | T. | .25 | | | | | | | | | | | .25 | | 0.50 |
| Lucin | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manti | Sevier Lake | .05 | .04 | | | | | | | | | | | | | | | | | .34 | .04 | | | | | | | T. | .09 | | | | 0.56 |
| Maple Creek | Gt. Salt Lake | .45 | | | | | | | | | | | | .14 | | | | T. | | .24 | .14 | | | | | | | T. | T. | | | | 0.97 |
| Marion | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marysville | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meadowville | Gt. Salt Lake | .05 | | | | | | | | | | | | | | | | | | .20 | T. | | | | | | | | | | | | 0.55 |
| Midlake | do | T. | | | | | | | | | | | | | | | | | | .75 | T. | | | | | | | | | | | | 0.75 |
| Midvale | do | .01 | | | | | | | | | | | .08 | | | | | | | | | | | | | | | | | | | | 0.09 |
| Milford | Sevier Lake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 |
| Millville | Gt. Salt Lake | .11 | | | | | | | | | | | | .18 | | | .05 | | .18 | .78 | .02 | | | | | | | T. | T. | | | | 1.32 |
| Mills | Sevier Lake | .05 | | | | | | | | | | | | | | | | | | .03 | | | | | | | | | T. | | | | 0.08 |
| Minersville | do | | | | | | | | | | | | | | | | | | .25 | | | | | | | | | | | | | | 0.36 |
| Modena | Desert | .34 | | | | | | | | | | | | | | | | | .14 | | | | | | | | | | | .21 | .15 | | 0.84 |
| Morgan | Gt. Salt Lake | | | | | | | | | | | | | | | | | | | .30 | | | | | | | | | | | | | 0.30 |
| Moroni | Sevier Lake | T. | T. | | | | T. | | T. | | | | T. | T. | | | | T. | T. | .23 | T. | .05 | | | | | | T. | .06 | | | | 0.29 |
| Mosida | Gt. Salt Lake | .10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.15 |
| Nephi (near) | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 10, Great Basin—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | | |
|------------------------|----------------|---------------|---|---|---|-----|----|-----|-----|-----|-----|-----|-----|----|----|-----|----|-----|--------|------|-----|-----|-----|----|----|------|----|------|-----|-----|-----|-----|-------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
| Oregon. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ana River..... | S. E. drainage | | | | | | | | | | .05 | | .20 | | | | | | .07 | | | | | | | .03 | | | | | | | | 0.35 | |
| Bear Valley..... | do. | | | | | | | | | .09 | .02 | .08 | .05 | T. | | .04 | | .07 | .08 | .06 | | | | | | .15 | | | .04 | | | | | 0.68 | |
| Burns..... | do. | | | | | | | T. | | T. | T. | T. | .02 | | | T. | T. | .11 | | | | | | | | | | .12 | | | | | 0.25 | | |
| Burns Mill..... | do. | | | | | | | .02 | | .03 | | .01 | .04 | | | | | .15 | | | | | | | | | | | .02 | | | | | 0.27 | |
| Christmas Lake..... | do. | | | | | | | | | T. | .29 | | .35 | | | | | .04 | .07 | | | | | | | | | T. | .33 | | | | 1.08 | | |
| Cliff..... | do. | | | | | | | | | | .10 | | .58 | | | | | | | | | | | | | | | | T. | .17 | | | | 0.85 | |
| Diamond..... | do. | | | | | | | .22 | | T. | | | T. | | | | | | .47 | | | | | | | | | | T. | .56 | | | | 1.25 | |
| Embodry..... | do. | | | | | | | .02 | .09 | .12 | .20 | .21 | | | T. | T. | T. | .03 | | | | | | | | | | | .42 | .01 | | | | 1.10 | |
| Fort Rock..... | do. | | | | | | | T. | T. | .06 | .08 | T. | .42 | | T. | | T. | .03 | | | | | | | | | | | .25 | | | | | 0.84 | |
| Paisley..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seneca..... | do. | .08 | | | | | | .04 | .05 | | .10 | | .10 | | | | | .06 | .02 | | | | | | | | | | T. | T. | | | | 0.45 | |
| Silver Lake..... | do. | | | | | | | | .29 | | | | .45 | | | | | | .06 | .06 | | | | | | | | | .14 | .02 | | | | 0.96 | |
| Valley Falls..... | do. | | | | | | | | | | | | .63 | T. | | | | | .53 | .05 | | | | | | | T. | 1.25 | T. | | | | | 2.46 | |
| California. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bijou..... | Truckee | | | | | | | | | | T. | T. | | | | | | | .86 | | | | | | | | | .05 | .04 | .77 | | T. | .07 | 1.79 | |
| Boca..... | do. | .10 | | | | | | | | .50 | | | | | | | | | .40 | | | | | | | 1.00 | | | | | | | | 1.60 | |
| Bridgeport..... | East Walker. | | | | | | | | | | | | | | | | | | | | | | | | | | | .03 | | .38 | .36 | .37 | .05 | | 1.59 |
| Cathedral Park..... | Truckee | | | | | | | | | .04 | | | | | | | | | .24 | | | | | | | | | | .06 | | | | | | 0.44 |
| Deerpark..... | do. | | | | | | | | | .73 | | | | | | | | | * 2.00 | .30 | | | | | | | | | | .23 | T. | T. | T. | 3.26 | |
| Hobart Mills..... | do. | | | | | | | | | .07 | | | | | | | | | .06 | .79 | | | | | | | | | | .01 | .68 | .05 | .18 | | 1.82 |
| Lundy..... | East Walker. | | | | | | | | | | | | | | | | | | .75 | | | | | | | | | | | | | | .60 | 1.35 | |
| McKinney..... | Truckee | | | | | | | | | | | | | | | | | T. | .67 | | | | | | | | | | | | | | .17 | 1.12 | |
| Markleville..... | East Carson. | | | | | | | T. | | | | | | | | | | | .37 | | | | | | | | | | .08 | T. | .12 | .08 | | .13 | 1.02 |
| Shields Ranch..... | East Walker. | | | | | .19 | T. | | | | | | | | | | | | | | | | .07 | | | | T. | | .26 | | | | | .10 | 1.19 |
| Silver Creek..... | East Carson. | | | | | | T. | | | | | | | | | | | | .09 | .80 | | | | | | | | | .10 | | .10 | | | .10 | 1.19 |
| Tahoe..... | Truckee | | | | | | | | | | | | | | | | | | 1.10 | .08 | | | | | | | | | | | | | | .13 | 1.66 |
| Tallac..... | do. | | | | | | T. | | | T. | .10 | | | | | | | | T. | 1.10 | | | | | | | | | T. | T. | .70 | | T. | .25 | 2.15 |
| Truckee..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Woodfords..... | West Carson. | | | | | | | | | | | | | | | | | | * 1.28 | | | | | | | | | | .18 | .12 | T. | .20 | .15 | .08 | 2.01 |
| Nevada. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arthur..... | Humboldt. | | | | | | | | | | | | | | | | | | .50 | | | | | | | | | | | | | | | | |
| Austin..... | Reese. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | * | .50 | | 1.00 |
| Battle Mountain..... | Humboldt. | | | | | | | | | | | | | | | | | | .15 | .15 | | | | | | | | | | | | | .11 | 0.41 | |
| Beowawe..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carlin..... | do. | | | | | | | | | | | | | | | | | | .35 | .20 | | | | | | | | | | | | | | 1.55 | |
| Cherry Creek..... | do. | | | | | | | | | | | | | | | | | | .01 | .58 | .05 | .02 | | T. | | .50 | | | | .05 | * | .36 | .54 | .04 | 1.66 |
| Clover Valley..... | do. | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Columbia..... | Desert. | | | | | | | | | | | | | | | | | | .10 | | | | | | | | | | | | | | | | |
| Dry Farm..... | Humboldt. | | | | | | | | | | | | | | | | | | .89 | .05 | T. | | | T. | | | | | | | | | | | |
| Elko..... | do. | | | | | | | | | | | | | | | | | | .37 | | | | | | | | | | | | | | | | |
| Eureka..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fallon..... | Carson. | | | | | | | | | | | | | | | | | | .77 | | | | | | | | | | | | | | | | |
| Fernley..... | Truckee. | | | | | | | | | | | | | | | | | | .12 | | | | | | | | | | | | | | | | |
| Gardnerville..... | Carson. | | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | |
| Gerlach..... | Desert. | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geyser..... | Humboldt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glenbrook..... | Truckee | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Golconda..... | Humboldt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Halleck..... | do. | | | | | | | | | | | | | | | | | | .35 | | | | | | | | | | | | | | | | |
| Hawthorne..... | Desert. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hylton..... | Humboldt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jean..... | Desert. | | | | | | | | | | | | | | | | | | .88 | | | | | | | | | | | | | | | | |
| Lahontan..... | Carson. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lewers Ranch..... | Truckee. | | | | | | | | | | | | | | | | | | .07 | | | | | | | | | | | | | | | | |
| Lida..... | Desert. | | | | | | | | | | | | | | | | | | T. | 1.35 | | | | | | | | | | | | | | | |
| Lovelock..... | Humboldt. | | | | | | | | | | | | | | | | | | | .02 | | | | | | | | | | | | | | | |
| McDermitt..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| McGill..... | do. | .02 | | | | | | | | | | | | | | | | | | .42 | | | | | | | | | | | | | | | |
| Metropolis..... | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mill City..... | do. | | | | | | | | | | | | | | | | | | | .67 | T. | | | | | | | | | | | | | | |
| Millett..... | Reese. | | | | | | | | | .20 | | | | | | | | | .25 | | | | | | | | | | | | | | | | |
| Mina..... | Desert. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Fork..... | Humboldt. | | | | | | | | | | | | | | | | | | .16 | | | | | | | | | | | | | | | | |
| Oasis Ranch..... | Desert. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potts..... | Reese. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quinn River Ranch..... | Humboldt. | | | | | | | | | | | | | | | | | | .15 | | | | | | | | | | | | | | | | |
| Rebel Creek..... | do. | | | | | | | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reno..... | Truckee. | | | | | | | T. | T. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rose Creek..... | Humboldt. | | | | | | | | | T. | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smith..... | West Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 10, Great Basin.

| | | Oregon. | | | | Nevada. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--------|---------|---------------|------|-------|---------|---------|------|---------|------|-------|------|------------|------|---------|------|-------|------|--------------------|-------|-------|------|---------|------|----------|------|-----------------|------|--|--|--|--|--|
| Date. | Burns. | | Cherry Creek. | | Elko. | | Eureka. | | Fallon. | | Jean. | | Lovelocks. | | Millet. | | Mina. | | Quinn River Ranch. | | Reno. | | Tecoma. | | Tonopah. | | Winne- muca. | | | | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | | | | |
| 1..... | 54 | 29 | 44 | 27 | 33 | 13 | 42 | 21 | 54 | 27 | 92 | 48 | 57 | 22 | 51 | 19 | 50 | 32 | ----- | ----- | 52 | 29 | 65 | 20 | 46 | 22 | 53 | 20 | | | | | |
| 2..... | 61 | 33 | 50 | 18 | 40 | 8 | 46 | 15 | 58 | 21 | 91 | 46 | 59 | 23 | 50 | 20 | 56 | 27 | ----- | ----- | 58 | 27 | 60 | 5 | 50 | 29 | 56 | 23 | | | | | |
| 3..... | 65 | 31 | 59 | 27 | 48 | 22 | 61 | 20 | 70 | 29 | 91 | 48 | 71 | 29 | 65 | 20 | 65 | 38 | 70 | 25 | 70 | 32 | 65 | 9 | 61 | 33 | 66 | 22 | | | | | |
| 4..... | 75 | 35 | 66 | 32 | 71 | 34 | 70 | 31 | 75 | 40 | 90 | 43 | 77 | 35 | 72 | 26 | 73 | 41 | 75 | 27 | 74 | 40 | 65 | 15 | 69 | 46 | 72 | 35 | | | | | |
| 5..... | 75 | 39 | 73 | 35 | 76 | 36 | 75 | 36 | 82 | 39 | 90 | 42 | 82 | 35 | 77 | 31 | 83 | 45 | 81 | 30 | 78 | 42 | 70 | 17 | 74 | 51 | 79 | 40 | | | | | |
| 6..... | 87 | 44 | 75 | 43 | 73 | 35 | 76 | 42 | 83 | 43 | 87 | 43 | 85 | 43 | 79 | 32 | 83 | 47 | 86 | 33 | 81 | 44 | 77 | 21 | 74 | 53 | 83 | 43 | | | | | |
| 7..... | 80 | 32 | 75 | 39 | 78 | 30 | 73 | 43 | 80 | 49 | 88 | 47 | 80 | 40 | 75 | 34 | 80 | 42 | 82 | 52 | 73 | 51 | 80 | 26 | 70 | 51 | 78 | 49 | | | | | |
| 8..... | 79 | 36 | 71 | 40 | 90 | 29 | 74 | 38 | 76 | 40 | 90 | 47 | 79 | 40 | 74 | 32 | 79 | 45 | 74 | 45 | 64 | 42 | 80 | 29 | 70 | 45 | 75 | 45 | | | | | |
| 9..... | 76 | 39 | 73 | 46 | 94 | 31 | 75 | 41 | 76 | 42 | 92 | 47 | 78 | 40 | 75 | 39 | 81 | 48 | 70 | 46 | 61 | 46 | 80 | 30 | 70 | 47 | 74 | 47 | | | | | |
| 10..... | 64 | 26 | 72 | 44 | 78 | 30 | 74 | 45 | 73 | 44 | 93 | 46 | 75 | 45 | 76 | 38 | 79 | 46 | 69 | 44 | 60 | 42 | 78 | 24 | 72 | 47 | 68 | 44 | | | | | |
| 11..... | 62 | 30 | 70 | 36 | 76 | 30 | 71 | 33 | 66 | 31 | 90 | 43 | 69 | 34 | 73 | 31 | 78 | 45 | 68 | 30 | 67 | 31 | 80 | 25 | 72 | 38 | 66 | 32 | | | | | |
| 12..... | 59 | 27 | 68 | 40 | 75 | 30 | 71 | 42 | 65 | 41 | 88 | 43 | 70 | 39 | 70 | 42 | 70 | 42 | 65 | 36 | 55 | 37 | 75 | 23 | 71 | 37 | 62 | 42 | | | | | |
| 13..... | 60 | 27 | 56 | 35 | 70 | 24 | 56 | 29 | 65 | 32 | 88 | 43 | 63 | 37 | 62 | 33 | 67 | 46 | 64 | 35 | 64 | 33 | 74 | 22 | 55 | 32 | 62 | 39 | | | | | |
| 14..... | 64 | 30 | 65 | 25 | 69 | 25 | 67 | 24 | 72 | 34 | 89 | 45 | 67 | 33 | 70 | 24 | 72 | 37 | 74 | 20 | 70 | 37 | 72 | 12 | 63 | 40 | 70 | 30 | | | | | |
| 15..... | 66 | 33 | 69 | 35 | 70 | 25 | 72 | 33 | 79 | 40 | 90 | 46 | 72 | 34 | 75 | 40 | 75 | 46 | 72 | 45 | 72 | 40 | 73 | 22 | 71 | 45 | 72 | 41 | | | | | |
| 16..... | 69 | 39 | 68 | 43 | 70 | 40 | 74 | 36 | 81 | 46 | 93 | 42 | 65 | 33 | 79 | 42 | 80 | 48 | 70 | 47 | 77 | 44 | 72 | 30 | 73 | 46 | 70 | 46 | | | | | |
| 17..... | 59 | 34 | 73 | 37 | 78 | 25 | 70 | 42 | 74 | 42 | 90 | 42 | 74 | 36 | 76 | 37 | 80 | 48 | ----- | ----- | 67 | 44 | 74 | 24 | 76 | 53 | 72 | 39 | | | | | |
| 18..... | 58 | 30 | 60 | 37 | 70 | 32 | 60 | 36 | 68 | 47 | 91 | 43 | 76 | 38 | 65 | 43 | 72 | 42 | ----- | ----- | 67 | 42 | 78 | 35 | 59 | 39 | 66 | 39 | | | | | |
| 19..... | 62 | 34 | 68 | 38 | 68 | 24 | 58 | 31 | 69 | 37 | 91 | 44 | 75 | 37 | 85 | 37 | 70 | 40 | ----- | ----- | 68 | 37 | 76 | 29 | 62 | 36 | 64 | 32 | | | | | |
| 20..... | 77 | 37 | 64 | 38 | 69 | 33 | 67 | 38 | 74 | 47 | 92 | 47 | 78 | 38 | 72 | 37 | 75 | 42 | 73 | 40 | 71 | 44 | 76 | 32 | 70 | 48 | 70 | 44 | | | | | |
| 21..... | 80 | 40 | 70 | 36 | 82 | 25 | 74 | 38 | 83 | 44 | 93 | 55 | 81 | 39 | 80 | 39 | 86 | 43 | 82 | 31 | 82 | 48 | 77 | 29 | 77 | 50 | 79 | 40 | | | | | |
| 22..... | 86 | 45 | 77 | 44 | 87 | 32 | 80 | 42 | 90 | 47 | 98 | 60 | 88 | 40 | 83 | 40 | 89 | 44 | 89 | 35 | 85 | 51 | 76 | 25 | 81 | 58 | 87 | 47 | | | | | |
| 23..... | 80 | 45 | 82 | 47 | 74 | 38 | 81 | 48 | 90 | 48 | 97 | 63 | 93 | 43 | 85 | 40 | 90 | 50 | 90 | 44 | 84 | 49 | 81 | 39 | 81 | 57 | 88 | 47 | | | | | |
| 24..... | 81 | 42 | 81 | 52 | 75 | 42 | 81 | 52 | 89 | 57 | 95 | 61 | 92 | 58 | 84 | 47 | 89 | 55 | 88 | 49 | 82 | 54 | 80 | 39 | 81 | 56 | 86 | 55 | | | | | |
| 25..... | 85 | 44 | 83 | 52 | 74 | 35 | 83 | 47 | 91 | 47 | 93 | 59 | 92 | 47 | 84 | 41 | 96 | 54 | 88 | 44 | 86 | 47 | 80 | 33 | 81 | 56 | 89 | 46 | | | | | |
| 26..... | 89 | 42 | 78 | 52 | 86 | 40 | 80 | 54 | 91 | 50 | 95 | 59 | 94 | 50 | 84 | 53 | 89 | 53 | 91 | 45 | 85 | 52 | 81 | 35 | 77 | 58 | 90 | 46 | | | | | |
| 27..... | 72 | 45 | 77 | 45 | 74 | 41 | 76 | 53 | 79 | 55 | 97 | 60 | 82 | 47 | 80 | 47 | 82 | 42 | 70 | 48 | 69 | 47 | 87 | 40 | 71 | 51 | 79 | 53 | | | | | |
| 28..... | 73 | 42 | 69 | 50 | 73 | 35 | 71 | 47 | 63 | 39 | 95 | 58 | 70 | 44 | 69 | 50 | 76 | 39 | 66 | 45 | 57 | 42 | 85 | 34 | 55 | 36 | 66 | 47 | | | | | |
| 29..... | 67 | 40 | 63 | 45 | 68 | 40 | 63 | 36 | 70 | 49 | 95 | 58 | 74 | 47 | 60 | 40 | 62 | 44 | 71 | 43 | 70 | 49 | 84 | 40 | 46 | 39 | 73 | 44 | | | | | |
| 30..... | 75 | 45 | 64 | 38 | 60 | 32 | 58 | 36 | 73 | 45 | 96 | 59 | 80 | 45 | 62 | 35 | 63 | 40 | 82 | 49 | 74 | 48 | 82 | 37 | 56 | 41 | 78 | 51 | | | | | |
| 31..... | 88 | 47 | 69 | 40 | 64 | 32 | 66 | 35 | 72 | 45 | 96 | 60 | 79 | 44 | 67 | 35 | 68 | 43 | 80 | 46 | 73 | 45 | 80 | 39 | 59 | 44 | 77 | 43 | | | | | |
| Mns.... | 71.9 | 36.8 | 68.8 | 39.2 | 71.4 | 30.6 | 69.2 | 37.5 | 75.2 | 41.8 | 92.1 | 49.9 | 76.7 | 39.2 | 72.9 | 36.3 | 76.1 | 43.7 | 76.5* | 40.0* | 70.5 | 42.5 | 76.4 | 27.1 | 67.5 | 44.6 | 72.9 | 41.0 | | | | | |

| Date. | Wyoming. | | | | | | Weston, Idaho. | Utah. | | | | | | | | | | | | | | | | | | | |
|---------|----------|------|-----------|------|------|------|-------------------|----------|------|-----------|------|-------------------|------|--------------|------|---------|------|----------|------|--------|------|----------|------|--------|------|-----------------|------|
| | Border. | | Evanston. | | | | | Corinne. | | Fillmore. | | Government Creek. | | Meadowville. | | Modena. | | Deseret. | | Ogden. | | Parowan. | | Provo. | | Salt Lake City. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 44 | 29 | 43 | 20 | 49 | 31 | 51 | 31 | 47 | 32 | 45 | 31 | 47 | 30 | 43 | 30 | 46 | 34 | 44 | 29 | 53 | 28 | 54 | 30 | 47 | 35 | |
| 2..... | 46 | 26 | 41 | 14 | 52 | 26 | 53 | 30 | 54 | 29 | 47 | 22 | 47 | 25 | 51 | 32 | 57 | 25 | 54 | 28 | 52 | 26 | 56 | 25 | 51 | 35 | |
| 3..... | 51 | 15 | 49 | 20 | 59 | 21 | 58 | 25 | 62 | 27 | 56 | 25 | 54 | 20 | 59 | 28 | 64 | 21 | 62 | 27 | 58 | 25 | 66 | 21 | 57 | 34 | |
| 4..... | 57 | 32 | 56 | 19 | 69 | 32 | 65 | 28 | 74 | 36 | 64 | 35 | 60 | 38 | 70 | 29 | 73 | 25 | 64 | 41 | 69 | 29 | 72 | 28 | 62 | 43 | |
| 5..... | 62 | 22 | 63 | 27 | 72 | 29 | 70 | 35 | 80 | 37 | 71 | 36 | 67 | 32 | 74 | 33 | 78 | 30 | 73 | 35 | 76 | 37 | 78 | 28 | 70 | 43 | |
| 6..... | 72 | 25 | 69 | 28 | 78 | 32 | 75 | 36 | 85 | 47 | 79 | 42 | 73 | 30 | 76 | 37 | 83 | 35 | 80 | 40 | 78 | 42 | 87 | 34 | 79 | 50 | |
| 7..... | 73 | 29 | 67 | 32 | 80 | 37 | 80 | 37 | 84 | 59 | 77 | 48 | 75 | 35 | 71 | 35 | 82 | 45 | 82 | 46 | 75 | 40 | 85 | 41 | 81 | 56 | |
| 8..... | 73 | 35 | 68 | 36 | 79 | 40 | 79 | 50 | 85 | 57 | 76 | 46 | 72 | 37 | 70 | 35 | 79 | 45 | 79 | 44 | 74 | 42 | 82 | 40 | 78 | 58 | |
| 9..... | 68 | 34 | 70 | 33 | 79 | 37 | 77 | 45 | 86 | 42 | 77 | 49 | 77 | 34 | 72 | 40 | 82 | 45 | 80 | 45 | 76 | 39 | 85 | 35 | 79 | 54 | |
| 10..... | 64 | 36 | 69 | 35 | 77 | 36 | 72 | 38 | 81 | 47 | 76 | 46 | 67 | 35 | 73 | 35 | 80 | 44 | 79 | 44 | 77 | 37 | 83 | 38 | 76 | 59 | |
| 11..... | 70 | 35 | 64 | 31 | 70 | 48 | 68 | 35 | 81 | 46 | 71 | 39 | 70 | 33 | 74 | 36 | 78 | 41 | 69 | 46 | 77 | 38 | 77 | 40 | 67 | 52 | |
| 12..... | 68 | 36 | 66 | 35 | 67 | 38 | 65 | 38 | 78 | 51 | 68 | 41 | 74 | 33 | 72 | 40 | 79 | 42 | 69 | 41 | 76 | 39 | 75 | 39 | 67 | 51 | |
| 13..... | 61 | 38 | 60 | 32 | 65 | 38 | 67 | 30 | 65 | 38 | 68 | 33 | 68 | 33 | 68 | 35 | 70 | 38 | 60 | 40 | 64 | 36 | 81 | 30 | 57 | 44 | |
| 14..... | 56 | 27 | 53 | 20 | 64 | 28 | 70 | 25 | 64 | 35 | 60 | 28 | 59 | 28 | 64 | 28 | 68 | 30 | 61 | 30 | 65 | 28 | 75 | 27 | 60 | 40 | |
| 15..... | 61 | 29 | 58 | 18 | 66 | 34 | 70 | 28 | 80 | 37 | 72 | 40 | 65 | 32 | 72 | 33 | 78 | 31 | 69 | 42 | 73 | 34 | 77 | 32 | 69 | 46 | |
| 16..... | 70 | 29 | 57 | 40 | 77 | 46 | 66 | 49 | 83 | 41 | 70 | 41 | 60 | 43 | 76 | 40 | 79 | 41 | 68 | 48 | 79 | 42 | 77 | 32 | 64 | 50 | |
| 17..... | 70 | 34 | 65 | 30 | 75 | 39 | 72 | 42 | 84 | 43 | 77 | 41 | 73 | 34 | 76 | 43 | 83 | 39 | 64 | 40 | 74 | 48 | 83 | 36 | 75 | 50 | |
| 18..... | 64 | 45 | 67 | 35 | 70 | 45 | 69 | 38 | 62 | 40 | 79 | 40 | 71 | 45 | 67 | 45 | 83 | 47 | 64 | 51 | 63 | 42 | 75 | 45 | 71 | 45 | |
| 19..... | 53 | 35 | 57 | 33 | 50 | 37 | 71 | 37 | 75 | 41 | 53 | 38 | | | | | | | | | | | | | | | |

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 11, CALIFORNIA.

Prof. ALEXANDER G. MCADIE, District Editor.

GENERAL SUMMARY.

May, 1913, was nearly normal in temperature and precipitation. It was somewhat warmer than May, 1912, but with slightly less rain. The precipitation was not sufficient for the general need of the State, and, on the other hand, there were no floods or heavy run-offs due to melting of the snow by warm rains. No water has therefore been wasted, and the distribution of the rain with regard to time and locality has been favorable, coming when most needed. There were three rainy periods during the month, from the 8th to 12th, from 17th to 19th, and from 27th to 29th. The precipitation was comparatively light in the mountain sections and the snow that fell did not remain long.

Regarding the season as a whole it can now be said that the water supply is deficient, and there will probably be need of water in certain localities before the end of summer.

Compared with other Mays there was less northwest wind than usual, and while there were some periods when the afternoon winds exceeded 40 miles an hour there were no extended periods, and few records of maximum velocities exceeding 60 miles. The most important disturbance of the month occurred on the 27th, when a well-marked depression over the Great Basin was accompanied by thunderstorms in the Sierra and showers in the foothills and valleys.

There were very few frosts and practically no damage. From an agricultural point of view the weather of May was favorable and all crops made good growth, except in those sections where early rains had been insufficient.

TEMPERATURE.

The mean temperature for the State was 0.2° above the normal. The following table gives the means and departures for each May from 1897 to 1913, inclusive:

| Year. | Mean. | Departure. | Year. | Mean. | Departure. |
|-----------|------------|------------|-----------|------------|------------|
| | <i>°F.</i> | <i>°F.</i> | | <i>°F.</i> | <i>°F.</i> |
| 1897..... | 66.9 | +4.8 | 1906..... | 59.8 | -2.3 |
| 1898..... | 61.3 | -0.8 | 1907..... | 61.5 | -0.6 |
| 1899..... | 59.9 | -2.2 | 1908..... | 58.0 | -4.1 |
| 1900..... | 64.0 | +1.9 | 1909..... | 60.4 | -1.7 |
| 1901..... | 62.0 | -0.1 | 1910..... | 65.5 | +3.4 |
| 1902..... | 60.8 | -1.3 | 1911..... | 58.3 | -3.8 |
| 1903..... | 63.5 | +1.4 | 1912..... | 60.7 | -1.4 |
| 1904..... | 64.9 | +2.8 | 1913..... | 62.3 | +0.2 |
| 1905..... | 59.6 | -2.5 | | | |

The highest temperature recorded was 120° at Greenland Ranch, in Death Valley, on the 25th. This was 12° higher than the highest recorded during May, 1912, and 16° higher than the highest recorded during May, 1911, but 1° lower than the temperature recorded at several stations in California during May, 1910. The lowest tem-

perature was 12° at Summit, Placer County, on the 1st. This was 4° warmer than the lowest temperature during May, 1912.

PRECIPITATION.

The precipitation was slightly below normal. The following table gives the average precipitation and departure from normal for each May from 1897 to 1913, inclusive:

| Year. | Mean. | Departure. | Year. | Mean. | Departure. |
|-----------|----------------|----------------|-----------|----------------|----------------|
| | <i>Inches.</i> | <i>Inches.</i> | | <i>Inches.</i> | <i>Inches.</i> |
| 1897..... | 0.18 | -1.04 | 1906..... | 3.19 | +1.97 |
| 1898..... | 1.56 | +0.34 | 1907..... | 0.57 | -0.65 |
| 1899..... | 0.73 | -0.49 | 1908..... | 1.63 | +0.41 |
| 1900..... | 1.39 | +0.17 | 1909..... | 0.23 | -0.99 |
| 1901..... | 1.03 | -0.19 | 1910..... | 0.18 | -1.04 |
| 1902..... | 0.84 | -0.38 | 1911..... | 0.72 | -0.50 |
| 1903..... | 0.14 | -1.08 | 1912..... | 1.92 | +0.70 |
| 1904..... | 0.22 | -1.00 | 1913..... | 1.04 | -0.18 |
| 1905..... | 2.18 | +0.96 | | | |

The greatest monthly precipitation was 4.19 inches at Blue Canon, and there was no rainfall at 21 stations. The greatest 24-hour rainfall was 1.83 inches at Dunlap.

Snowfall.—May was a month of light snowfall. The greatest depths were 5 inches at Tamarack and Summit. The snow disappeared from the mountains early and was practically gone by the middle of the month. This resulted in an early travel season in the mountains, and passes not usually free from snow until after the middle of June were accessible by the end of May.

The following table shows the depth of snow on the ground at Summit on given dates in May during the period 1907 to 1913:

| | May 1. | May 15. | May 31. |
|-----------|----------------|----------------|----------------|
| | <i>Inches.</i> | <i>Inches.</i> | <i>Inches.</i> |
| 1907..... | 115 | 121 | 71 |
| 1908..... | 20 | 42 | 16 |
| 1909..... | 119 | 66 | 33 |
| 1910..... | 13 | 12 | 3 |
| 1911..... | 94 | 65 | 37 |
| 1912..... | 36 | 13 | 6 |
| 1913..... | 23 | Patches. | 0 |

SUNSHINE.

The following table gives the hours of sunshine and percentages of the possible:

| Stations. | Hours. | Percentage of possible. | Stations. | Hours. | Percentage of possible. |
|----------------------|--------|-------------------------|----------------------|--------|-------------------------|
| Eureka..... | 261 | 58 | Sacramento..... | 358 | 81 |
| Fresno..... | 396 | 90 | San Diego..... | 268 | 62 |
| Los Angeles..... | 284 | 66 | San Francisco..... | 281 | 64 |
| Mount Tamalpais..... | 354 | 80 | San Jose..... | 357 | 81 |
| Red Bluff..... | 355 | 80 | San Luis Obispo..... | 305 | 70 |

There was more sunshine than during May, 1912.

NOTES ON THE RIVERS OF THE SACRAMENTO AND LOWER SAN JOAQUIN WATERSHEDS.

By N. R. TAYLOR, Local Forecaster.

Sacramento watershed.—The rainfall throughout this watershed was deficient, especially in the lower reaches of the Sacramento River. As a result of this condition and the small amount of snow in the mountains all streams averaged from 1 foot to over 3 feet below the usual May stages. The little snow that remained in the mountains melted rapidly during the month, causing a slight increase in the run-off of all watercourses. By the close of the month the snow had practically disappeared, except that the higher levels of Mounts Shasta and Lassen were still covered and some isolated drifts remained in the high Sierra.

From all obtainable information the visible water supply on the last day of May was markedly deficient, and the present indications are that all rivers of this watershed will be as low during the coming summer and fall as they were during the low-water season of 1912, when most streams fell to the lowest points ever recorded.

The lower San Joaquin watershed.—All streams in this watershed felt the effects of snow water and averaged from 1.5 to over 5 feet above that of the preceding month. They were, however, below the May normal, especially the lower San Joaquin.

NOTES ON STREAMS OF THE UPPER SAN JOAQUIN WATERSHED.

By W. E. BONNETT, Local Forecaster.

The streams of the upper San Joaquin watershed were much below the average stages in these streams for the month of May, although there was a considerable rise over April stages as the weather became warmer.

The average stage at Merced Falls was 1.5 feet, and it was slightly higher than the 1908 average, which was the lowest of record at that point. At Friant the mean stage was 1.4 feet, as compared with a 7-year average of 3.2 feet and a previous low average of 1.7 feet in 1908. The flow in the Kings River was slightly better than that of 1912 and much better than that of 1908. The average May stage at Piedra this year was 8.9, as compared with 8.1 feet in May, 1912. The lowest stages at all points were recorded during the first few days of the month. The highest stages and the dates on which they occurred are as follows: Merced Falls, 2 feet on the 19th; Friant, 2.2 feet on the 25th; Firebaugh, 5 feet on the 28th; Piedra, 10.5 feet on the 23d and 24th.

THE SUN AS A FOG PRODUCER.

By Prof. A. G. MCADIE.

In the Proceedings of the Royal Society of Edinburgh, volume 32, page 183, Dr. John Aitken discusses at length certain fog formations which may be called in a general way sun fogs. The exact title is "The sun as a fog producer," and Dr. Aitken remarks in the opening paragraph that he fears most people will think the title a printer's or an author's error and that the proper caption ought to have been "The sun as a fog disperser." The point is worth calling attention to, because, without doubt, most of us familiar with the dissipation of fog due to direct insolation have never thought of the possibility of the opposite occurrence, namely, a certain increase of nuclei and consequent condensation under sun action. Some years ago Dr. Aitken noticed at Falkirk, especially during winter

months, that on many mornings when the air was clear before sunrise there was a gradual thickening and fogging as the sun rose, while in the pure country air such changes were not detected.

The following distinction by him between haze and fog is worth repeating, as certainly there could be no higher authority. First and foremost—

there is no hard-and-fast line between what we call haze and fog; we usually call it fog when very thick and damp, but even here the boundary line is unsatisfactory, as we have dry fogs. So, again, there is no hard-and-fast line between fogs and clouds. Fogs are generally composed of a greater number of smaller particles than clouds, but cumulus clouds are very much like fogs in this respect. I have shown that they also are composed of closely packed small particles, and it is only after a time that they become fewer and larger by the evaporation of the smaller particles and the condensation of the vapor on the larger ones. In these phenomena we have a gradual change from haze (the effect of which is mainly due to dust and very little to water) to fog (the effect of which is mostly due to the water condensed on the dust) and to the obscuring effect of cloud (which is almost entirely due to water); but between these three domains there are no hard-and-fast boundaries.

The action of the sun in producing fog as noted by Aitken has been confirmed by the observations of haze at Blue Hill Observatory during a period of 20 years, 1890-1909, inclusive. Palmer, in an article on Atmospheric humidity as related to haze fog and visibility at Blue Hill (Bulletin of the Mount Weather Observatory, vol. 5, pt. 4, Apr. 8, 1913), shows that haze occurs more frequently in the early morning than in the afternoon. As the sun rises the increasing insolation deepens the haze stratum, renewed convection stirs it up, and occasionally a cumulus cloud develops in an especially strong ascending current.

Aitken's observations, to determine if the morning fogs were a sun effect necessitated a record of the humidity of the air, the direction and velocity of the wind, the transparency of the air, and the amount of cloud on the eastern horizon, to show the amount of sunshine. Two observations on transparency were made, one before sunrise and the other about 9.30 a. m. The transparency of the air was observed by noting the amount of haze or fog on a hill 400 feet high and 300 feet above the place of observation and three-quarters of a mile south-southwest. Specimen observations taken from his note book give the year, month, day, wind direction and force, night minimum, dry and wet bulb readings, sunshine, and limit of visibility in miles for the two observations.

It is to be regretted that in connection with these observations there were not available continuous records of the vapor content of the air, also records giving the intensity of solar radiation and electric potential.

On many mornings the air did not lose its transparency after sunrise, which was due either to absence of sunshine or excessive wind preventing accumulation of impurities in the air or to dryness of the air or other cause of comparative purity. It was observed that increase in haziness was directly proportional to humidity and sunshine and inversely to air dryness and wind velocity. Clear sun at sunrise gave a maximum effect; but sunlight through clouds was also effective though less marked. The conditions favoring the formation of the sun fog are cloudless sunrise, a wet-bulb depression of 1° or less, and absence of wind after blowing from an impure direction. If the air be nearly saturated "the sun soon gets hazed out and dense fog is formed." The fogging is not due to the air becoming colder, as the temperature was always higher at the time of observation than during the night. Nearly all the formations occurred under anticyclonic conditions, but no special significance need

be attached to this, and fogs formed when the center of the anticyclone was north, southeast, or west. The densest fog occurred when there was no general circulation, a condition favoring the accumulation of impurities in the air. These conclusions are borne out by the Blue Hill Observations (Palmer, in article referred to above), where the conclusion is reached that "haze seems to be associated with a relatively stagnant condition of the atmosphere."

Aitken advances the hypothesis that as these fogs are only formed in air which has come from densely populated parts of the country, they are probably formed by the action of the sunlight upon impurities. There are two kinds of nuclei of cloudy condensation. One has no affinity for water vapor and the other has. The latter condenses water vapor into minute drops even in unsaturated air and so causes dense fog. Aitken makes a distinction between cloud particles where the smaller drops tend to evaporate, and fog particles which hold their own share of water. Evaporation is checked by the concentration of the impurities in the smaller particles and by dilution in the larger. The fog particles, therefore, or nuclei with affinity for water are persistent and retain their numbers and fogging effect. Only those nuclei which have an affinity for water can be called true fog formers in unsaturated air.

Aitken then describes at length his apparatus for testing air and the various experiments made to determine whether the nuclei had any affinity for water vapor. There is one interesting experiment in connection with the use of chloride of sodium dissolved in water. The effect of the presence of salt on ordinary condensation resulted in a discovery that the cloud did not remain so long a time as usual, but vanished rapidly. The affinity of the salt for water was so great that it robbed the nuclei of their water, which evaporated, diffused, and was absorbed by the salt solution. This shows that the rate of diffusion of water vapor in air is very rapid. This is of importance in connection with experiments which have been made on evaporation, for it has been assumed

that diffusion under quiet conditions of air motion was an extremely slow process.

Aitken then studies the sulphur oxides which are products of combustion, in their rôle of nuclei producers. SO_2 , while kept in pure air shows little tendency to produce nuclei, but combines readily with other products of combustion and then, as Aitken puts it—

Falls from its high state of a free-moving gaseous molecule to the condition of a solid or liquid particle confined to Brownian movements, and probably ends its independent existence in a fog particle, or possibly in a rain drop.

SO_2 remains free from nuclei if kept in the dark. If exposed to light, especially sunshine, it becomes an active nucleus producer and some of the nuclei thus formed have an affinity for water. More marked effects were obtained when burning sulphur was used in place of a solution. Furthermore, the action of light is a *cumulative* one, the particles growing in size under the continued influence of light.

It was found that when an electric discharge occurs in air containing SO_2 , an enormous number of nuclei were produced which gave a very dense fog on expansion; furthermore, many of the nuclei caused condensation in unsaturated air.

After testing various gases and finding that neither oxygen, nitrogen, nor water vapor had any special effect upon SO_2 , Aitken proceeded to test other products of combustion, such as ammonia, hydrogen peroxide, and ozone. The former probably plays no part in the formation of the morning fog; but the peroxide causes a dense condensation both with and without expansion, showing that there has been produced an immense number of nuclei with a strong affinity for water. Ozone also reacts powerfully on the SO_2 , producing dense condensation upon exposure to the sun.

Aitken is of opinion that peroxide of hydrogen produced by sunshine is active in producing nuclei. This gas is generally admitted to be produced by the ultra violet rays. It is found in dew and in rain; but not in dew formed during the night, only in that condensed after sunrise.

TABLE 1.—Climatological data for May, 1913. District No. 11, California.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|----------------------|-----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|----------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of overcast days. |
| Oregon. | | | | | | | | | | | | | | | | | | | | |
| Klamath Agency. | Klamath. | 4,169 | 4 | 53.4 | + 0.6 | 83 | 31 | 26 | 1 | 31 | 0.71 | - 0.33 | 0.28 | 0 | 4 | 18 | 8 | 5 | nw. | N. D. Ginsbach. |
| Klamath Falls. | do. | 4,100 | 23 | 53.4 | + 0.6 | 83 | 31 | 26 | 1 | 31 | 0.71 | - 0.33 | 0.28 | 0 | 4 | 18 | 8 | 5 | nw. | Augusta J. Hayden. |
| Lakeview. | Lake. | 4,825 | 29 | 50.6 | - 0.1 | 81 | 26 | 21 | 1 | 39 | 0.79 | - 0.73 | 0.35 | 0.5 | 7 | 11 | 7 | 13 | s. | C. C. Gott. |
| Merrill. | Klamath. | 4,070 | 6 | 50.4 | | 85 | 26 | 18 | 1 | 51 | 0.44 | | 0.16 | 0 | 5 | 5 | 18 | 8 | w. | U. S. Reclamation Service. |
| Yonah. | do. | 4,146 | 5 | 50.4 | | 85 | 26 | 18 | 1 | 51 | 0.44 | | 0.16 | 0 | 5 | 5 | 18 | 8 | w. | Ward Rueck. |
| California. | | | | | | | | | | | | | | | | | | | | |
| Alturas. | Modoc. | 4,400 | 9 | 54.0 | | 87 | 26 | 26 | 1 | 47 | 0.68 | + 0.14 | 0.32 | 0 | 8 | 17 | 9 | 5 | sw. | Prof. C. B. Towle. |
| Angiola. | Tulare. | 208 | 13 | 69.8 | + 4.7 | 98 | 24 | 46 | 1 | 38 | 0.44 | + 0.14 | 0.44 | 0 | 1 | 29 | 0 | 2 | n. | Santa Fe Co. |
| Antioch **. | Contra Costa. | 46 | 34 | 71.8 | + 5.7 | 96 | 25 | 50 | 5 | 5 | 0.45 | + 0.05 | 0.33 | 0 | 2 | 27 | 0 | 4 | e. | Southern Pacific Co. |
| Aptos **. | Santa Cruz. | 102 | 28 | 60.5 | + 1.7 | 74 | 18 | 48 | 2 | 2 | 0.86 | - 0.14 | 0.54 | 0 | 4 | 15 | 6 | 10 | nw. | Do. |
| Arrowhead Springs. | San Bernardino. | 2,000 | 4 | 62.4 | | 88 | 22 | 42 | 2 | 35 | 0.45 | | 0.30 | 0 | 3 | 24 | 7 | 0 | | Dr. E. J. Erikson. |
| Auburn. | Placer. | 1,360 | 42 | 64.2 | + 1.5 | 92 | 26 | 42 | 1 | 42 | 1.22 | - 0.30 | 0.66 | 0 | 3 | 23 | 2 | 6 | ne. | Southern Pacific Co. |
| Avalon. | Los Angeles. | 30 | 3 | 59.6 | | 72 | 24 | 48 | 2 | 16 | 0.00 | | 0.00 | 0 | 0 | 26 | 2 | 3 | w. | T. S. Manning. |
| Azusa. | do. | 540 | 11 | 62.6 | + 0.1 | 89 | 23 | 35 | 2 | 44 | 0.22 | - 0.71 | 0.17 | 0 | 3 | 24 | 2 | 5 | sw. | A. P. Griffith. |
| Bagdad. | San Bernardino. | 784 | 10 | 82.2 | + 2.0 | 105 | 25 | 53 | 1 | 30 | 0.00 | - 0.18 | 0.00 | 0 | 0 | 31 | 0 | 0 | | Santa Fe Co. |
| Bakersfield. | Kern. | 404 | 24 | 70.3 | - 1.1 | 104 | 25 | 38 | 2 | 53 | 0.20 | - 0.18 | 0.20 | 0 | 1 | 29 | 0 | 2 | sw. | Do. |
| Barstow. | San Bernardino. | 2,105 | 10 | 65.0 | - 2.8 | 98 | 24 | 40 | 1 | 47 | T. | - 0.04 | T. | 0 | 0 | 29 | 0 | 2 | w. | E. L. White. |
| Berkeley. | Alameda. | 317 | 26 | 58.4 | + 0.9 | 80 | 30 | 43 | 13 | 29 | 0.99 | - 0.18 | 0.41 | 0 | 6 | 11 | 12 | 8 | sw. | State University. |
| Betteravia. | Santa Barbara. | | | 60.6 | | 80 | 6 | 32 | 1 | 40 | 0.15 | | 0.10 | 0 | 2 | 22 | 8 | 1 | w. | Union Sugar Co. |
| Biggs **. | Butte. | 98 | 14 | 69.3 | + 3.3 | 94 | 30 | 42 | 2 | 2 | 0.97 | - 0.09 | 0.41 | 0 | 3 | 20 | 7 | 4 | s. | Southern Pacific Co. |
| Bishop. | Inyo. | 4,450 | 18 | 58.4 | - 1.3 | 90 | 25 | 26 | 2 | 50 | 0.10 | - 0.12 | 0.10 | 0 | 1 | 30 | 0 | 1 | n. | Paul E. Lodge. |
| Bishop Creek. | do. | 8,500 | 3 | 47.0 | | 70 | 24 | 14 | 1 | 31 | 0.45 | | 0.20 | 4.5 | 3 | 13 | 12 | 6 | s. | Do. |
| Blocksburg. | Humboldt. | 1,700 | 7 | 56.6 | | 93 | 30 | 30 | 1 | 47 | 1.89 | | 0.53 | 0 | 6 | 12 | 4 | 15 | nw. | Victor Hope. |
| Blue Canon. | Placer. | 4,695 | 14 | 54.2 | + 2.0 | 78 | 26 | 20 | 1 | 39 | 4.19 | + 0.63 | 1.45 | 0 | 7 | 26 | 0 | 5 | | Southern Pacific Co. |
| Blythe. | Riverside. | 268 | 4 | 72.7 | | 102 | 25 | 39 | 3 | 52 | 0.00 | | 0.00 | 0 | 0 | 29 | 2 | 0 | s. | C. L. Suits. |
| Branscomb. | Mendocino. | 2,000 | 13 | 55.6 | + 2.2 | 90 | 30 | 30 | 1 | 45 | 2.77 | + 0.05 | 0.83 | 0 | 7 | 22 | 4 | 5 | n. | A. J. Haun. |
| Brawley. | Imperial. | -105 | 4 | 74.0 | | 97 | 24 | 49 | 2 | 40 | 0.00 | | 0.00 | 0 | 0 | | | | | M. D. Witter. |
| Burney. | Shasta. | 3,300 | 3 | 54.6 | | 84 | 31 | 23 | 2 | 50 | 1.78 | | 0.92 | 0 | 6 | 15 | 10 | 6 | sw. | Mrs. M. D. Chambers. |
| Cahuilla. | Riverside. | 3,600 | 2 | 54.4 | | 87 | 23 | 21 | 2 | 50 | 0.12 | | 0.10 | 0 | 2 | 21 | 8 | 2 | e. | Dr. W. L. Shawk. |
| Calxico. | Imperial. | 0 | 8 | 75.6 | | 102 | 24 | 46 | 2 | 45 | 0.00 | | 0.00 | 0 | 0 | 29 | 2 | 0 | nw. | J. E. Peck. |
| Caliente **. | Kern. | 1,200 | 37 | 66.6 | - 3.4 | 99 | 26 | 40 | 17 | | | | | 0 | 22 | 0 | 9 | w. | Southern Pacific Co. | |
| Callstoga **. | Napa. | 363 | 41 | 58.3 | - 3.2 | 90 | 30 | 36 | 13 | | 1.40 | + 0.24 | 0.54 | 0 | 4 | 20 | 0 | 11 | w. | Do. |
| Campbell. | Santa Clara. | 217 | 16 | 58.0 | + 0.5 | 88 | 30 | 32 | 2 | 45 | 0.70 | + 0.14 | 0.56 | 0 | 3 | 22 | 2 | 7 | nw. | F. M. Righter. |
| Camptonville (near). | Yuba. | 3,500 | 6 | 59.8 | | 88 | 6 | 32 | 1 | 44 | 3.06 | | 1.48 | 0 | 9 | 21 | 1 | 9 | s. | Cal. Gas & Electric Co. |
| Cedarville. | Modoc. | 4,675 | 19 | 55.1 | + 3.1 | 87 | 26 | 27 | 1 | 36 | 0.62 | - 0.65 | 0.33 | 0 | 3 | 10 | 21 | 0 | sw. | Tr. H. Johnstone. |
| Chico. | Butte. | 189 | 43 | 66.2 | - 2.2 | 100 | 30 | 40 | 1 | 46 | 1.39 | + 0.45 | 0.59 | 0 | 7 | 22 | 0 | 9 | s. | G. H. Stephenson. |
| China Flat. | Humboldt. | 600 | 4 | 62.9 | | 99 | 31 | 34 | 1 | 48 | 1.84 | | 0.45 | 0 | 9 | 21 | 6 | 4 | sw. | O. I. Westerburg. |
| Chino. | San Bernardino. | 714 | 21 | 62.4 | - 3.0 | 76 | 15 | 42 | 2 | | T. | - 0.46 | T. | 0 | 0 | 23 | 8 | 0 | | Southern Pacific Co. |
| Cisco **. | Placer. | 5,939 | 42 | 47.8 | + 3.6 | 72 | 27 | 20 | 1 | | | | | 0 | 24 | 0 | 7 | | | Do. |
| Claremont. | Los Angeles. | 1,200 | 21 | 61.3 | + 0.1 | 86 | 23 | 35 | 2 | 42 | 0.38 | - 0.47 | 0.19 | 0 | 3 | 18 | 7 | 6 | w. | Prof. F. P. Brackett. |
| Cloverdale. | Sonoma. | 340 | 11 | 62.6 | + 0.9 | 95 | 30 | 39 | 2 | 44 | 1.49 | + 0.10 | 0.83 | 0 | 5 | 25 | 1 | 5 | w. | John O. Ogle. |
| Coalinga. | Fresno. | 663 | 1 | 69.0 | | 100 | 25 | 39 | 14 | 41 | 0.18 | | 0.18 | 0 | 1 | 25 | 4 | 2 | w. | Union Oil Co. |
| Colfax. | Placer. | 2,421 | 42 | | | | | | | | | | | 0 | 4 | 24 | 2 | 5 | n. | Southern Pacific Co. |
| Colusa. | Colusa. | 60 | 10 | 67.0 | + 2.0 | 93 | 31 | 39 | 1 | 38 | 0.62 | - 0.03 | 0.45 | 0 | 4 | 24 | 2 | 5 | n. | C. D. McComish. |
| Corning **. | Tehama. | 277 | 27 | 74.9 | + 6.7 | 96 | 31 | 52 | 12 | | 0.48 | - 0.47 | 0.20 | 0 | 4 | 20 | 10 | 1 | s. | Southern Pacific Co. |
| Cuyamaca. | San Diego. | 4,677 | 14 | 56.1 | + 6.0 | 82 | 24 | 29 | 3 | 33 | 0.51 | - 1.68 | 0.37 | 0 | 2 | 21 | 3 | 7 | w. | Cuyamaca Water Co. |
| Davisville. | Yolo. | 51 | 41 | 64.8 | - 3.1 | 96 | 25 | 37 | 11 | 47 | 0.36 | - 0.36 | 0.14 | 0 | 4 | 26 | 5 | 0 | s. | S. H. Beckett. |
| Deer Creek. | Nevada. | 3,700 | 6 | | | | | | | | | | | 0 | 1 | 22 | 2 | 7 | nw. | Cal. Gas & Electric Co. |
| Del Monte. | Monterey. | 25 | 2 | 59.8 | | 76 | 30 | 46 | 2 | 18 | 0.27 | | 0.27 | 0 | 1 | 22 | 2 | 7 | nw. | H. R. Warner. |
| Delta. | Shasta. | 1,138 | 28 | 65.0 | + 0.7 | 90 | 30 | 44 | 1 | 41 | 2.25 | - 1.16 | 1.04 | 0 | 5 | 24 | 0 | 7 | n. | Southern Pacific Co. |
| Denair. | Stanislaus. | 126 | 13 | 64.8 | + 0.5 | 92 | 25 | 38 | 1 | 42 | 0.43 | - 0.16 | 0.40 | 0 | 2 | 25 | 2 | 4 | nw. | Santa Fe Co. |
| De Saba. | Butte. | 2,500 | 9 | 58.5 | | 87 | 25 | 30 | 1 | 38 | 2.75 | | 0.93 | 0 | 8 | 11 | 13 | 7 | sw. | Cal. Gas & Electric Co. |
| Dobbins (near). | Yuba. | 1,650 | 9 | 65.1 | | 92 | 31 | 40 | 1 | 36 | 2.95 | | 1.32 | 0 | 6 | 11 | 15 | 5 | s. | Do. |
| Downieville. | Sierra. | 3,150 | 2 | 57.8 | | 89 | 25 | 28 | 2 | 48 | 2.97 | | 1.15 | 0 | 7 | 17 | 8 | 6 | s. | J. T. Mason. |
| Dudley. | Kings. | 595 | 2 | 72.4 | | 102 | 26 | 39 | 28 | 51 | 0.05 | | 0.05 | 0 | 1 | 28 | 1 | 2 | se. | Union Oil Co. |
| Dudleys. | Mariposa. | 3,000 | 4 | 54.7 | | 86 | 26 | 23 | 1 | 45 | 1.62 | | 0.72 | 0 | 4 | 16 | 8 | 7 | nw. | W. H. Dudley. |
| Dunlap (near). | Fresno. | 2,800 | 1 | 57.2 | | 86 | 25 | 31 | 1 | 51 | 2.06 | | 1.83 | 0 | 4 | 22 | 6 | 3 | | U. S. Forest Service. |
| Dunnigan **. | Yolo. | 65 | 36 | 77.0 | + 6.7 | 98 | 23 | 58 | 8 | | 0.21 | - 0.76 | 0.18 | 0 | 2 | 24 | 4 | 3 | n. | Southern Pacific Co. |
| Dunsmuir **. | Siskiyou. | 2,285 | 24 | 61.8 | + 4.4 | 88 | 5 | 40 | 1 | 4 | 3.41 | + 0.54 | 1.03 | 0 | 10 | 21 | 0 | 10 | n. | Do. |
| Durham. | Butte. | 160 | 18 | 64.9 | + 1.1 | 95 | 31 | 36 | 2 | 46 | 1.40 | + 0.27 | 0.60 | 0 | 5 | 20 | 5 | 6 | s. | R. W. Durham. |
| El Cajon. | San Diego. | 482 | 14 | 61.4 | - 1.3 | 82 | 5 | 41 | 2 | 40 | 0.16 | - 0.28 | 0.16 | 0 | 1 | 28 | 2 | 1 | w. | H. H. Kessler. |
| Electra. | Amador. | 725 | 9 | 66.1 | | 96 | 25 | 38 | 1 | 36 | 1.81 | | 0.67 | 0 | 4 | 26 | 2 | 3 | | Cal. Gas & Electric Co. |
| Emigrant Gap. | Placer. | 5,230 | 39 | 52.5 | + 2.3 | 80 | 26 | 30 | 1 | 36 | 3.70 | + 1.08 | 1.00 | 0 | 5 | 25 | 0 | 6 | s. | Southern Pacific Co. |
| Esccondido. | San Diego. | 657 | 19 | 61.6 | - 1.4 | 81 | 23 | 36 | 2 | 37 | 0.17 | - 0.47 | 0.17 | 0 | 1 | 9 | 22 | 0 | w. | A. R. Moon. |
| Eureka. | Humboldt. | 64 | 27 | 52.4 | + 0.3 | 64 | 7 | 39 | 2 | 15 | 1.67 | - 1.16 | 0.71 | 0 | 9 | 15 | 12 | 4 | n. | U. S. Weather Bureau. |
| Farmington **. | San Joaquin. | 111 | 34 | | | | | | | | | | | 0 | 5 | 21 | 0 | 10 | s. | Southern Pacific Co. |
| Folsom. | Sacramento. | 252 | 41 | 69.0 | + 2.5 | 98 | 31 | 40 | 1 | 42 | 1.27 | + 0.08 | 0.56 | 0 | 5 | 21 | 0 | 10 | | |

TABLE 1.—Climatological data for May, 1913. District No. 11—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|-----------------------|----------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|-----------------------|---------------------------|----------------------------|-----------------------|----------------------------|------------------------------------------|-----------------------|-------------------------------|--------------------------|----------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelting. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of overcast days. | | |
| California—Continued. | | | | | | | | | | | | | | | | | | | | |
| Indio..... | Riverside..... | —20 | 35 | 77.6 | — 2.5 | 101 | 24 | 50 | 1 | 37 | 0.00 | — 0.02 | 0.00 | 0 | 0 | 22 | 9 | 0 | nw. | F. N. Johnson. |
| Inskip..... | Butte..... | 4,975 | 6 | 56.1 | — 5.0 | 88 | 25 | 30 | 1 | 42 | 3.38 | — 1.39 | 1.39 | 0.8 | 8 | 10 | 12 | 9 | ..... | Cal. Gas & Electric Co. |
| Ione**..... | Amador..... | 287 | 35 | 70.0 | + 5.0 | 95 | 2 | 49 | 2 | ..... | 1.34 | + 0.15 | 0.65 | 0 | 4 | 24 | 0 | 7 | ..... | Southern Pacific Co. |
| Jamestown..... | Tuolumne..... | 1,471 | 10 | 62.8 | + 2.8 | 93 | 25 | 35 | 13 | 44 | 1.96 | + 0.49 | 1.26 | 0 | 3 | 26 | 1 | 4 | ..... | Sierra Railway Co. |
| Kennett..... | Shasta..... | 730 | 1 | 66.0 | ..... | 99 | 31 | 38 | 1 | 44 | 2.17 | ..... | 0.75 | 0 | 6 | 16 | 13 | 2 | sw. | C. H. Kremers. |
| Kentfield..... | Marin..... | 65 | 25 | 61.0 ^b | ..... | 91 | 30 | 42 | 11 | 42 | 1.21 | — 1.07 | 0.61 | 0 | 5 | 23 | 4 | 4 | ..... | Miss M. E. Parsons. |
| King City..... | Monterey..... | 333 | 26 | 65.0 | + 5.1 | 93 | 18 | 33 | 1 | 56 | 0.42 | + 0.06 | 0.42 | 0 | 1 | 28 | 0 | 3 | n. | Southern Pacific Co. |
| Lake Eleanor..... | Tuolumne..... | 4,700 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | O. J. Todd. |
| La Porte..... | Plumas..... | 5,000 | 19 | 50.1 | + 1.7 | 75 | 25 | 28 | 1 | 33 | 4.09 | — 0.23 | 1.54 | 0.2 | 7 | 18 | 9 | 4 | s. | C. W. Hendel. |
| Le Grand..... | Merced..... | 255 | 13 | 65.6 | + 1.9 | 98 | 21 | 35 | 1 | 48 | 0.56 | + 0.10 | 0.56 | 0 | 1 | 27 | 0 | 4 | nw. | Santa Fe Co. |
| Lemon Cove..... | Tulare..... | 600 | 18 | 70.8 | + 3.0 | 104 | 26 | 40 | 6 | 54 | 1.25 | + 0.08 | 1.25 | 0 | 1 | 18 | 13 | 0 | nw. | W. R. Park. |
| Lick Observatory..... | Santa Clara..... | 4,209 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | The Director. |
| Livermore..... | Alameda..... | 485 | 42 | 63.2 | + 1.8 | 93 | 30 | 35 | 2 | 47 | 0.58 | — 0.02 | 0.30 | 0 | 6 | 22 | 5 | 4 | w. | E. G. Still. |
| Lone Pine..... | Inyo..... | 2,728 | 8 | 61.0 | ..... | 90 | 20 | 30 | 2 | 50 | 0.53 | ..... | 0.15 | 0 | 6 | 22 | 7 | 2 | s. | G. F. Marsh. |
| Long Valley..... | Lassen..... | 4,400 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | A. G. Evans. |
| Los Angeles..... | Los Angeles..... | 293 | 36 | 60.9 | + 0.4 | 76 | 24 | 47 | 5 | 26 | 0.05 | — 0.38 | 0.05 | 0 | 1 | 16 | 9 | 6 | sw. | U. S. Weather Bureau. |
| Los Banos**..... | Merced..... | 121 | 26 | 70.3 | + 2.0 | 90 | 16 | 60 | 1 | 41 | 0.43 | — 0.05 | 0.43 | 0 | 1 | 13 | 0 | 18 | w. | Southern Pacific Co. |
| Los Gatos..... | Santa Clara..... | 600 | 26 | 60.6 | + 0.9 | 89 | 30 | 39 | 1 | 41 | 0.95 | — 0.12 | 0.61 | 0 | 4 | 20 | 4 | 7 | n. | F. H. McCullagh. |
| McCloud..... | Siskiyou..... | 3,410 | 3 | 54.0 | ..... | 85 | 31 | 20 | 1 | 45 | 3.05 | ..... | 0.95 | 1.0 | 6 | 19 | 9 | 3 | w. | F. F. Spencer. |
| Macdoel..... | do..... | 4,528 | 8 | 50.4 | ..... | 82 | 25 | 20 | 1 | 40 | 1.18 | ..... | 0.80 | 0 | 4 | 18 | 0 | 13 | s. | Butte Valley Land Co. |
| Madeline..... | Lassen..... | 5,270 | 4 | 49.8 | ..... | 82 | 25 | 23 | 1 | 48 | 0.54 | ..... | 0.20 | 0 | 6 | 16 | 5 | 10 | nw. | J. H. Williams. |
| Magalia..... | Butte..... | 2,321 | 9 | 60.4 | ..... | 89 | 25 | 38 | 1 | 40 | 0.84 | ..... | 0.98 | 0 | 5 | 22 | 0 | 9 | n. | Butte County R. R. Co. |
| Mammoth Tank..... | Imperial..... | 257 | 35 | 81.5 | — 2.1 | 105 | 25 | 57 | 2 | 35 | 0.00 | — 0.02 | 0.00 | 0 | 0 | 30 | 0 | 1 | sw. | Southern Pacific Co. |
| Maricopa..... | Kern..... | 640 | 2 | 70.2 | ..... | 100 | 26 | 15 | 1 | 45 | 0.23 | ..... | 0.12 | 0 | 3 | 21 | 5 | 5 | e. | Union Oil Co. |
| Marysville..... | Yuba..... | 67 | 42 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Southern Pacific Co. |
| Mecca..... | Riverside..... | —185 | 7 | 75.4 | ..... | 100 | 24 | 41 | 18 | 53 | 0.00 | ..... | 0.00 | 0 | 0 | 22 | 9 | 0 | nw. | E. A. Palmer. |
| Menlo Park**..... | San Mateo..... | 64 | 35 | 62.1 | + 0.3 | 78 | 30 | 50 | 3 | ..... | 0.41 | — 0.14 | 0.44 | 0 | 1 | 15 | 7 | 9 | ..... | Southern Pacific Co. |
| Merced..... | Merced..... | 173 | 39 | 66.3 | — 1.0 | 96 | 26 | 40 | 1 | 40 | 0.55 | — 0.02 | 0.55 | 0 | 1 | 22 | 4 | 5 | nw. | Santa Fe Co. |
| Middlewater..... | Kern..... | 803 | 2 | 71.7 | ..... | 103 | 23 | 41 | 13 | 41 | 0.00 | ..... | 0.00 | 0 | 0 | 19 | 9 | 3 | w. | Union Oil Co. |
| Mill Creek (1)..... | Amador..... | 2,500 | 6 | 65.4 | ..... | 89 | 16 | 35 | 1 | 37 | 0.92 | ..... | 0.92 | 0 | 1 | 26 | 2 | 3 | ..... | Cal. Gas & Electric Co. |
| Milton (near)..... | Calaveras..... | 660 | 22 | 66.6 | + 2.9 | 95 | 25 | 45 | 1 | 35 | 1.10 | — 0.13 | 0.63 | 0 | 3 | 24 | 6 | 1 | nw. | J. H. Southwick. |
| Modesto**..... | Stanislaus..... | 90 | 41 | 60.1 | + 9.3 | 94 | 25 | 38 | 1 | ..... | 0.45 | — 0.06 | 0.45 | 0 | 1 | 27 | 0 | 4 | ..... | Southern Pacific Co. |
| Mojave..... | Kern..... | 2,751 | 36 | 68.6 | + 0.6 | 98 | 22 | 47 | 28 | ..... | 0.00 | — 0.03 | 0.00 | 0 | 0 | 25 | 6 | 0 | n. | Do. |
| Mokelumne Hill..... | Calaveras..... | 1,550 | 20 | 63.5 | + 4.7 | 91 | 25 | 39 | 1 | 36 | 1.92 | + 0.35 | 0.79 | 0 | 4 | 19 | 4 | 8 | ..... | C. E. Prindle. |
| Mono Ranch..... | Ventura..... | 3,210 | 7 | 56.8 | ..... | 85 | 14 | 29 | 1 | 53 | 0.16 | — 0.58 | 0.16 | 0 | 1 | 27 | 4 | 0 | w. | Herbert Lathrop. |
| Montague..... | Siskiyou..... | 2,450 | 25 | 56.9 | — 3.5 | 90 | 31 | 24 | 2 | 53 | 0.71 | — 0.12 | 0.45 | 0 | 3 | 14 | 12 | 5 | n. | I. E. Deboy. |
| Monterey**..... | Monterey..... | 15 | 48 | 63.3 | + 5.0 | 76 | 7 | 54 | 1 | ..... | 0.61 | + 0.11 | 0.46 | 0 | 3 | 27 | 3 | 1 | e. | Southern Pacific Co. |
| Monterio..... | Kern..... | 4,500 | 14 | 55.5 | — 1.7 | 90 | 31 | 32 | 1 | 30 | 0.62 | + 0.84 | 0.50 | 0 | 2 | 20 | 9 | 2 | nw. | John C. Knecht. |
| Mount Tamalpais..... | Marin..... | 2,375 | 14 | 56.0 | — 2.3 | 78 | 30 | 39 | 12 | 24 | 1.08 | + 0.16 | 0.66 | 0 | 9 | 20 | 7 | 4 | nw. | U. S. Weather Bureau. |
| Napa City..... | Napa..... | 20 | 36 | 56.2 | — 3.2 | 85 | 30 | 28 | 1 | 43 | 0.60 | — 0.41 | 0.20 | 0 | 5 | 14 | 17 | 0 | s. | Alex. Hull. |
| Napa (S. H.)..... | do..... | 60 | 35 | 62.2 | — 1.4 | 91 | 30 | 41 | 2 | 37 | 0.55 | — 0.46 | 0.30 | 0 | 4 | 14 | 8 | 9 | sw. | A. R. Edgar. |
| Needles..... | San Bernardino..... | 477 | 21 | 78.7 | — 0.9 | 102 | 25 | 55 | 1 | 40 | 0.00 | — 0.06 | 0.00 | 0 | 0 | 29 | 2 | 0 | s. | Santa Fe Co. |
| Nellis..... | San Diego..... | 5,350 | 4 | 55.0 | ..... | 82 | 22 | 25 | 1 | 42 | 1.20 | ..... | 1.20 | 0 | 1 | 29 | 2 | 0 | ..... | T. O. Bailey. |
| Nevada City..... | Nevada..... | 2,850 | 21 | 57.0 | + 1.4 | 88 | 25 | 25 | 1 | 44 | 2.59 | + 0.20 | 1.07 | 0 | 8 | 21 | 6 | 4 | w. | S. W. Marsh. |
| Newhall**..... | Los Angeles..... | 1,200 | 36 | 72.8 | + 8.7 | 92 | 29 | 54 | 23 | ..... | 0.00 | — 0.54 | 0.00 | 0 | 0 | 26 | 0 | 5 | se. | Southern Pacific Co. |
| Newman..... | Stanislaus..... | 91 | 24 | 69.6 | + 0.5 | 100 | 26 | 40 | 3 | 48 | 0.78 | + 0.21 | 0.72 | 0 | 2 | ..... | ..... | ..... | ..... | E. S. Wangenheim. |
| North Bloomfield..... | Nevada..... | 3,214 | 16 | 63.0 | + 7.7 | 86 | 25 | 47 | 1 | 27 | 3.10 | + 0.55 | 1.60 | 0 | 4 | 18 | 8 | 5 | w. | J. R. McIntosh. |
| North Fork..... | Madera..... | 3,000 | 9 | 64.1 | ..... | 92 | 6 | 33 | 7 | 58 | 1.52 | ..... | 1.10 | 0 | 3 | 16 | 11 | 4 | sw. | U. S. Forest Service. |
| Oakdale**..... | Stanislaus..... | 156 | 19 | 66.1 | + 2.6 | 96 | 26 | 47 | 12 | ..... | 0.43 | — 0.35 | 0.40 | 0 | 2 | 23 | 0 | 8 | nw. | Southern Pacific Co. |
| Oak Grove..... | San Diego..... | 2,751 | 3 | 57.3 | ..... | 89 | 22 | 27 | 2 | 48 | 0.10 | ..... | 0.07 | 0 | 2 | 27 | 4 | 0 | nw. | B. L. Johnson. |
| Oakland..... | Alameda..... | 36 | 37 | 60.4 | + 2.3 | 82 | 30 | 46 | 2 | 28 | 0.55 | — 0.30 | 0.27 | 0 | 6 | 10 | 13 | 8 | w. | Chabot Observatory. |
| Oceanside..... | San Diego..... | 60 | 3 | 60.4 | ..... | 70 | 11 | 45 | 2 | 20 | 0.16 | ..... | 0.06 | 0 | 4 | 13 | 15 | 3 | w. | H. D. Brodie. |
| Ojai Valley..... | Ventura..... | 900 | 7 | 59.5 | ..... | 90 | 23 | 32 | 2 | 46 | 0.13 | ..... | 0.10 | 0 | 2 | 25 | 3 | 3 | sw. | W. H. Duncan. |
| Orland..... | Glenn..... | 254 | 31 | 69.0 | — 1.4 | 99 | 25 | 45 | 10 | 43 | 0.77 | — 0.16 | 0.42 | 0 | 7 | 22 | 6 | 3 | s. | U. S. Reclamation Service. |
| Orleans..... | Humboldt..... | 520 | 10 | 66.3 | + 0.4 | 104 | 31 | 32 | 1 | 48 | 2.05 | + 0.17 | 0.71 | 0 | 8 | 21 | 0 | 10 | ..... | F. T. Hale. |
| Oroville (near)..... | Butte..... | 250 | 29 | 66.6 | + 0.5 | 99 | 31 | 35 | 1 | 45 | 1.50 | + 0.04 | 0.70 | 0 | 5 | 12 | 10 | 9 | s. | E. D. Fairchild. |
| Palermo..... | do..... | 213 | 22 | 65.3 | + 0.3 | 98 | 22 | 40 | 3 | 51 | 1.95 | + 0.65 | 1.00 | 0 | 3 | 18 | 9 | 4 | s. | Western Pacific Co. |
| Palm Springs**..... | Riverside..... | 584 | 24 | 74.1 | — 3.9 | 102 | 25 | 56 | 1 | ..... | 0.00 | — 0.03 | 0.00 | 0 | 0 | ..... | ..... | ..... | ..... | Southern Pacific Co. |
| Pasadena..... | Los Angeles..... | 827 | 23 | 61.4 | — 2.2 | 83 | 23 | 40 | 1 | 39 | 0.13 | — 0.30 | 0.08 | 0 | 3 | 21 | 5 | 5 | sw. | E. D. Sorver. |
| Paso Robles..... | San Luis Obispo..... | 800 | 26 | 60.5 | — 1.9 | 94 | 24 | 30 | 1 | 52 | 0.16 | — 0.42 | 0.16 | 0 | 1 | 25 | 5 | 1 | nw. | Dr. F. W. Sawyer. |
| Peachland..... | Sonoma..... | 190 | 17 | 58.2 | — 1.1 | 90 | 30 | 35 | 1 | 42 | 1.46 | — 0.16 | 0.61 | 0 | 5 | 20 | 7 | 4 | sw. | E. H. Parnell. |
| Petaluma..... | do..... | ..... | ..... | 57.6 | ..... | 90 | 30 | 34 | 3 | 44 | 0.69 | ..... | 0.40 | 0 | 5 | 13 | 15 | 3 | n. | John Landis. |
| Placerville..... | El Dorado..... | | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 11—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. |
|-------------------------|---------------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|-----------------------|---------------------------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------------------|----------------------------|-------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| California—Continued. | | | | | | | | | | | | | | | | | | | | |
| Seven Oaks..... | San Bernardino..... | 5,000 | 3 | 54.0 | ..... | 76 | 16† | 28 | 2 | 36 | 0.38 | ..... | 0.38 | 0 | 1 | 22 | 0 | 9 | w. | M. Lewis. |
| Sierra Madre..... | Los Angeles..... | 1,400 | 16 | 62.2 | + 1.1 | 82 | 23 | 45 | 2 | 32 | 0.35 | - 0.85 | 0.26 | 0 | 2 | 20 | 6 | 5 | s. | Mrs. A. E. Gregory. |
| Sierraville..... | Sierra..... | 5,000 | 3 | 48.0 | ..... | 79 | 21 | 18 | 2 | 50 | 1.02 | ..... | 0.52 | 0 | 5 | 15 | 9 | 7 | sw. | C. D. Johnson. |
| Sisson..... | Siskiyou..... | 3,555 | 24 | 52.6 | - 2.0 | 80 | 25† | 29 | 1† | 37 | 2.38 | + 0.14 | 1.04 | 0 | 7 | 19 | 9 | 3 | n. | Southern Pacific Co. |
| Soledad**..... | Monterey..... | 188 | 39 | 68.1 | + 5.8 | 80 | 11† | 60 | 13† | ..... | 0.72 | + 0.43 | 0.72 | 0 | 2 | 19 | 7 | 5 | n. | Do. |
| Sonora..... | Tuolumne..... | 1,825 | 2 | 62.4 | ..... | 90 | 26 | 36 | 2 | 38 | 2.25 | + 0.27 | 1.46 | 0 | 4 | 23 | 4 | 4 | nw. | Chas. P. Jones. |
| Southeast Farallon..... | San Francisco..... | 30 | 10 | 52.0 | 0.0 | 58 | 10 | 48 | 4 | 7 | 0.96 | + 0.45 | 0.79 | 0 | 4 | 12 | 5 | 14 | nw. | U. S. Weather Bureau. |
| Springville..... | Tulare..... | 4,000 | 6 | 57.4 | ..... | 88 | 25 | 33 | 7 | 45 | 1.82 | ..... | 1.70 | 0 | 2 | 22 | 0 | 9 | ..... | D. L. Wishon. |
| Squirrel Inn..... | San Bernardino..... | 5,280 | 3 | 52.7 | ..... | 77 | 23 | 29 | 1 | 31 | 1.35 | ..... | 1.35 | 0 | 1 | 22 | 5 | 4 | sw. | A. D. Frantz. |
| Stanwood..... | Butte..... | 2,140 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Cal. Gas & Electric Co. |
| Stirling City..... | do..... | 3,525 | 9 | 58.2 | ..... | 92 | 26 | 38 | 1† | 40 | 3.30 | ..... | 1.45 | 0 | 8 | 15 | 8 | 8 | se. | Butte County R. R. Co. |
| Stockton (S. H.)..... | San Joaquin..... | 23 | 42 | 65.1 | + 1.0 | 93 | 30 | 42 | 2 | 43 | 0.70 | + 0.03 | 0.44 | 0 | 3 | 24 | 6 | 1 | nw. | State Hospital. |
| Storey..... | Madera..... | 296 | 13 | 65.2 | + 0.8 | 97 | 25 | 34 | 1 | 42 | 0.40 | - 0.12 | 0.40 | 0 | 1 | 28 | 0 | 3 | ..... | Santa Fe Co. |
| Suisun**..... | Solano..... | 20 | 33 | 64.2 | + 0.4 | 88 | 3 | 40 | 30 | ..... | 0.51 | - 0.32 | 0.35 | 0 | 3 | 23 | 1 | 7 | sw. | Southern Pacific Co. |
| Sulphur Banks..... | Lake..... | 1,350 | 1 | 60.8 | ..... | 90 | 30† | 40 | 1† | 39 | 0.72 | ..... | 0.45 | 0 | 6 | 20 | 7 | 4 | w. | L. S. Lorenzen. |
| Summit..... | Placer..... | 7,017 | 40 | 43.7 | + 1.1 | 69 | 25 | 12 | 1 | 29 | 0.75 | - 1.38 | 0.25 | 5.0 | 4 | 11 | 2 | 18 | s. | Southern Pacific Co. |
| Susanville..... | Lassen..... | 4,175 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | C. M. Penry. |
| Tamarack..... | Alpine..... | 8,000 | 7 | 37.9 | ..... | 64 | 26 | 20 | 1† | 35 | 0.95 | - 1.86 | 0.45 | 5.0 | 3 | 21 | 7 | 3 | sw. | Cal. Gas & Electric Co. |
| Tehachapi**..... | Kern..... | 3,964 | 36 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Southern Pacific Co. |
| Tehama..... | Tehama..... | 220 | 42 | 75.5 | + 6.6 | 99 | 30† | 50 | 1† | ..... | 0.60 | - 0.30 | 0.21 | 0 | 4 | 22 | 1 | 8 | n. | Do. |
| Tejon Rancho..... | Kern..... | 1,500 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | S. E. Bailey. |
| Three Rivers..... | Tulare..... | 870 | 3 | 66.0 | ..... | 96 | 24 | 31 | 1 | 46 | 1.65 | ..... | 1.65 | 0 | 1 | 14 | 15 | 2 | sw. | J. H. Pierce. |
| Towle..... | Placer..... | 3,704 | 27 | 59.2 | + 2.9 | 84 | 25 | 36 | 14 | 31 | 2.47 | - 0.44 | 1.40 | 0 | 4 | 23 | 2 | 6 | ne. | Southern Pacific Co. |
| Tracy**..... | San Joaquin..... | 64 | 33 | 72.6 | + 3.5 | 92 | 25 | 50 | 1 | ..... | 0.53 | - 0.07 | 0.33 | 0 | 3 | ..... | ..... | ..... | ..... | Do. |
| Ukiah..... | Mendocino..... | 620 | 20 | 60.7 | + 1.5 | 95 | 31 | 31 | 1 | 48 | 1.57 | + 0.31 | 0.66 | 0 | 7 | 21 | 8 | 2 | nw. | Dr. Geo. McCowen. |
| Upper Lake..... | Lake..... | 1,350 | 28 | 59.5 | 0.0 | 93 | 23 | 29 | 1 | 46 | 1.33 | + 0.20 | 0.81 | 0 | 7 | 21 | 4 | 6 | nw. | C. M. Hammond. |
| Vacaville..... | Solano..... | 175 | 25 | 65.6 | + 1.4 | 98 | 30 | 36 | 2 | 49 | 0.41 | - 0.92 | 0.30 | 0 | 4 | 16 | 11 | 4 | sw. | G. O. Coburn. |
| Valley Springs**..... | Calaveras..... | 673 | 24 | 69.4 | + 3.2 | 97 | 25 | 55 | 1 | ..... | 1.45 | + 0.10 | 0.82 | 0 | 4 | 24 | 4 | 3 | nw. | Southern Pacific Co. |
| Visalia..... | Tulare..... | 334 | 25 | 67.1 | + 1.0 | 89 | 27 | 47 | 8† | 36 | 0.89 | + 0.31 | 0.89 | 0 | 1 | 26 | 5 | 0 | nw. | Santa Fe Co. |
| Warner Springs..... | San Diego..... | 3,165 | 5 | 58.8 | ..... | 86 | 25 | 28 | 1 | 41 | 0.08 | ..... | 0.07 | 0 | 2 | 24 | 7 | 0 | ..... | Mrs. F. S. Sandford. |
| Wasco..... | Kern..... | 336 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Santa Fe Co. |
| Watsonville..... | Santa Cruz..... | 23 | 17 | 58.4 | - 1.7 | 83 | 30 | 30 | 2 | 45 | 0.66 | - 0.21 | 0.52 | 0 | 3 | 8 | 19 | 4 | w. | Spreckels Sugar Co. |
| Weaverville..... | Trinity..... | 2,162 | 1 | 58.3 | ..... | 89 | 31 | 24 | 1 | 49 | 1.43 | - 0.45 | 0.51 | 0 | 9 | 22 | 3 | 6 | ..... | U. S. Forest Service. |
| Weitchpec..... | Humboldt..... | 1,700 | 3 | 56.0 | ..... | 90 | 31 | 30 | 1 | 42 | 2.82 | ..... | 1.03 | 0 | 7 | 22 | 4 | 5 | w. | M. E. Lathrop. |
| Westley..... | Stanislaus..... | 90 | 24 | 74.5 | + 4.4 | 95 | 25† | 59 | 1 | ..... | 0.52 | - 0.07 | 0.42 | 0 | 2 | 27 | 0 | 4 | n. | Southern Pacific Co. |
| Wheatland..... | Yuba..... | 84 | 26 | 65.8 | + 1.7 | 94 | 31 | 40 | 1† | 37 | 0.92 | - 0.36 | 0.37 | 0 | 5 | 17 | 7 | 7 | s. | Wm. Lombard. |
| Willows..... | Glenn..... | 136 | 34 | 68.1 | - 0.4 | 99 | 31 | 41 | 14 | 41 | 1.23 | + 0.51 | 0.79 | 0 | 6 | 23 | 3 | 5 | se. | E. C. Mills. |
| Yorba Linda..... | Orange..... | ..... | ..... | 62.0 | ..... | 83 | 25 | 40 | 1 | 37 | 0.16 | ..... | 0.16 | 0 | 1 | 21 | 5 | 5 | w. | S. J. Walker. |
| Yosemite..... | Mariposa..... | 3,945 | 9 | 51.2 | ..... | 90 | 25 | 15 | 1† | 64 | 1.96 | ..... | 1.20 | 1.0 | 3 | 21 | 3 | 7 | s. | J. P. Kelly. |

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for May, 1913. District No. 11, California.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|---------------------|--------------------|---------------|---|---|---|---|---|-----|-----|------|------|-----|-----|-----|----|----|----|-----|-----|------|-----|-----|----|----|-----|----|-----|------|-----|-----|-----|------|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Oregon. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Klamath Agency | Klamath | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Klamath Falls | do. | | | | | | | | | .28 | .20 | | .10 | | | | | | .13 | | | | | | | | | | | | | | 0.71 | |
| Lakeview | Pitt. | .04 | | | | | | | T. | .06 | T. | T. | .02 | | | | | .02 | .21 | T. | T. | | | | .35 | | | | | | .09 | | | 0.79 |
| Merrill | Interior drainage. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vistillas | Pitt. | | | | | | | | | .27 | .18 | .02 | .03 | | | | | .01 | .51 | | | | | | | | .02 | .08 | | | | | 1.12 | |
| Yonna | Interior drainage. | | | | | | | | | .04 | .08 | | .10 | | | | | | .16 | | | | | | | | | .06 | | | | | 0.44 | |
| California. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aguanga | Coast | | | | | | | | .02 | | | | | | | | | .06 | .32 | | | | | | | | | | .01 | .14 | | | 0.00 | |
| Alturas | Sacramento | | | | | | | | | .05 | .05 | | .03 | | | | | | | | | | | | | | | | | | | | 0.68 | |
| Angels Camp | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.44 | |
| Angiola | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Antelope Valley | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.45 | |
| Antioch | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.86 | |
| Aptos | Coast | | | | | | | | .20 | | | | | | | | | | .12 | | | | | | | | | | | | | | 0.45 | |
| Arrowhead Springs | do. | | | | | | | | | | | | | | | | | | .06 | .06 | | | | | | | | | | | | 0.86 | | |
| Auburn | Sacramento | | | | | | | | T. | .66 | | | | | | | | .11 | | | | | | | | T. | .10 | .54 | .30 | .05 | | | 0.45 | |
| Avalon | Ocean | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.22 | |
| Azusa | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | .02 | .03 | | .17 | | | 0.60 | |
| Bagdad | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.22 | |
| Bakersfield | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.60 | |
| Barstow | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .20 | | | 0.20 | |
| Bear River | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | | | T. | |
| Bear Valley | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.59 | |
| Bear Valley Dam | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.47 | .12 | | | | 0.28 | |
| Beaumont | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.37 | |
| Beaumont (near) | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.35 | |
| Belotta | do. | | | | | | | | | | | .22 | | | | | | | | | | | | | | | | | | | | | 0.75 | |
| Ben Lomond | Coast | | | | | | | | .40 | | | | | | | | | | .04 | T. | | | | | | | | | | .50 | .40 | .03 | 10.15 | |
| Berkeley | do. | | | | | | | | .17 | .05 | | | | | | | | | .10 | .25 | | | | | | | | | | .41 | .01 | | 0.97 | |
| Betteravia | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.10 | |
| Biggs | Sacramento | | | | | | | | .30 | | | | | | | | | .26 | | | | | | | | | | | | .41 | | | 0.45 | |
| Bishop | Owens | | | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | .10 | T. | |
| Bishop Creek | do. | .20 | | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | 0.10 | |
| Blocksburg | Coast | | | | | | | | .46 | .36 | .53 | .13 | .04 | | | | | | T. | | | | | | | | | | | .37 | | | 1.89 | |
| Blue Canon | Sacramento | | | | | | | | | 1.45 | .34 | | | | | | | | | | .96 | .26 | | | | | | | | | | | 4.19 | |
| Blythe | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Boulder Creek | Coast | | | | | | | | .32 | | | | | | | | | | | | | | | | | | | | | | | | 0.73 | |
| Bowmans Dam | Sacramento | | | | | | | | | 1.50 | | | | | | | | | .35 | 1.00 | | | | | | | | | T. | .41 | | | 3.65 | |
| Branscomb | Coast | | | | | | | | .62 | .52 | .83 | | .30 | | | | | | T. | .04 | | | | | | | | | | .43 | .03 | | 2.77 | |
| Brawley | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Burney | Sacramento | | | | | | | | | .35 | .13 | .16 | | | | | | | T. | .92 | | | | | | | | | | .12 | .10 | | 1.78 | |
| Butte Valley | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.12 | |
| Cahuilla | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Calexico | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Caliente | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calistoga | Coast | | | | | | | | | T. | .54 | | .10 | | | | | | | | .31 | | | | | | | | | | | | 1.40 | |
| Campbell | do. | | | | | | | | | | T. | | | | | | | | .03 | | | | | | | | | | | | | | 0.70 | |
| Campo | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Camptonville (near) | Sacramento | | | | | | | | | .03 | 1.48 | | .01 | | | | | | .47 | .09 | .14 | | | | | | | | | .15 | .68 | | .01 | 3.06 |
| Cedarville | M't'n Lakes | | | | | | | | T. | .06 | | | | | | | | | T. | .33 | | | | | | | | | | T. | .23 | | 0.62 | |
| Chester | Sacramento | .05 | | | | | | | | T. | .33 | | .20 | | | | | .20 | | .25 | | | | | | | | | | .08 | | | 1.11 | |
| Chico | do. | | | | | | | | | .05 | .25 | T. | .05 | | | | | | .59 | .21 | | | | | | | | | | .10 | .14 | | 1.39 | |
| Chico (near) | do. | | | | | | | | | .35 | | .02 | .07 | | | | | | .22 | .07 | | | | | | | | | | .27 | T. | | 1.00 | |
| China Flat | Coast | | | | | | | | .05 | .45 | .21 | .37 | .41 | .05 | | | | | .04 | | | | | | | | | | .09 | .17 | | | 1.84 | |
| Chino | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | |
| Cisco | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Claremont | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloverdale | do. | | | | | | | T. | | .32 | .13 | .10 | | | | | | | .11 | T. | | | | | | | | | | .03 | .16 | | .19 | 0.38 |
| Coalinga | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.49 |
| Colfax | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.18 |
| Colgate | do. | | | | | | | | | 1.25 | .45 | | | | | | | | | .37 | .24 | | | | | | | | | | | | 3.21 | |
| Colusa | do. | | | | | | | .02 | .06 | | | | | | | | | | .09 | T. | | | | | | | | | | .45 | | .09 | 0.62 | |
| Corning | do. | | | | | | | | | .14 | | | .09 | | | | | | | | | | | | | | | | | | .20 | | 0.48 | |
| Corona | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cuyamaca | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Davisville | Sacramento | | | | | | | | | | .06 | | | | | | | | .09 | | | | | | | | | | | | | | | 0.51 |
| Deer Creek | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 11—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|-------------------|-------------|---------------|---|---|---|---|---|------|------|------|-----|-----|-----|----|----|----|----|------|-----|-----|----|----|----|----|----|-----|----|-----|-----|------|------|-----|--------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
| California—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Folsom | Sacramento | | | | | | | | T. | .56 | .01 | | | | | | | T. | .13 | | T. | | | | | | | | | | | | 1.27 | | |
| Fordyce Dam | do. | | | | | | | | .08 | .95 | .05 | | .10 | T. | | | | .72 | .62 | .10 | | | | | | | | | .15 | .35 | | T. | .30 | 3.42 | |
| Fort Bidwell | M't'n Lakes | | | | | | | .15 | | T. | T. | T. | T. | | | | | | .35 | | | | | | | | | | | | | | 0.60 | | |
| Fort Bragg | Coast | | | | | | | | .10 | .26 | .04 | .32 | | | | | | | | | | | | | | | | T. | | .10 | | | 1.07 | | |
| Fort Ross | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fouts Springs | Sacramento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresno | San Joaquin | | | | | | | | | T. | | | | | | | | | .02 | | | | | | | | | | .23 | .05 | | T. | T. | 0.30 | |
| Friant | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .44 | | | | 0.44 | |
| Galt | do. | | | | | | | | | .19 | | | | | | | | | | | | | | | | | | | | .53 | .05 | | | 0.77 | |
| Georgetown | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gilroy | Coast | | | | | | | | | .05 | | | | | | | | | .08 | | | | | | | | | | | T. | .70 | | | 0.83 | |
| Gilta | do. | | | | | | | .20 | .35 | .46 | .43 | | | | | | | 1.02 | | | | | | | | | | | | .05 | | | | 2.51 | |
| Glenn Ranch | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | .20 | .11 | | | | 0.31 | | |
| Glenville | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | .03 | T. | .97 | | | | .15 | | 1.15 | |
| Glenwood | Coast | | | | | | | .50 | | | | | | | | | | | | | | | | | | | | .07 | .80 | | | | | 1.37 | |
| Gold Run | Sacramento | | | | | | | | 1.45 | .30 | | | | T. | | | | | .45 | .05 | | | | | | | | | | .65 | .20 | | | 3.10 | |
| Gonzales | Coast | | | | | | | | .15 | | | | | | | | | | | | | | | | | | | | | .63 | | | | 0.78 | |
| Grass Valley | Sacramento | | | | | | | .03 | 1.28 | | | | | | | | | | .35 | .11 | | | | | | | | | | .47 | .77 | | | 3.00 | |
| Greenland Ranch | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.01 | |
| Greenville | Sacramento | | | | | | | | T. | .36 | T. | T. | .17 | | | | | .43 | .16 | | | | | | | | | | T. | .18 | | | | 1.30 | |
| Gridley | do. | | | | | | | | T. | .25 | T. | | | | | | | T. | .12 | .03 | | | | | | | | | T. | .54 | | | | 0.94 | |
| Groveland | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guinda | Sacramento | | | | | | | | T. | | | | | | | | | .14 | | | | | | | | | | | | .28 | .07 | | | 0.49 | |
| Hanford | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Head Dam | Sacramento | | | | | | | | 1.49 | | | | | | | | | .34 | .14 | .43 | | | | | | | | | | .16 | .45 | .02 | | 3.03 | |
| Healdsburg | Coast | | | | | | | .15 | .41 | T. | .06 | | | | | | | .12 | | | | | | | | | | | | .75 | | | | 1.49 | |
| Hearst | do. | | | | | | | .46 | .51 | .62 | T. | .22 | | | | | | .11 | .06 | | | | | | | | | | | .65 | | | | 2.63 | |
| Heber | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.06 | |
| Helen Mine | Coast | | | | | | | 1.20 | .95 | .61 | | | | | | | | .24 | .07 | | | | | | | | | | | .70 | .06 | | | 3.83 | |
| Hetch Hetchy | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Holecomb | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hollister | do. | | | | | | | | | .05 | | | | | | | | | .06 | | | | | | | | | | | | .75 | | | 0.86 | |
| Hornbrook | Klamath | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Hot Springs | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | 1.15 | | .12 | 1.27 | |
| Hullville | Coast | | | | | | | .62 | .13 | .37 | .01 | .07 | | | | | | .07 | .02 | | | | | | | | | | | .76 | | | | 2.05 | |
| Hyampson | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Independence | Owens | | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | |
| Indian Wells | Desert | | | | | | | | | | | | | | | | | | | | | | | | | | | .01 | | | T. | T. | T. | .30 | 0.31 |
| Indio | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| Inskip | Sacramento | | | | | | | .15 | 1.39 | .08 | | .49 | | | | | | .39 | .37 | | | | | | | | | | | .15 | .36 | | | 3.38 | |
| Isne | San Joaquin | | | | | | | T. | .65 | | | | .49 | | | | | .10 | | | | | | | | | | | | .56 | .03 | | | 1.34 | |
| Jacksonville | do. | | | | | | | | .25 | .30 | | | | | | | | | .20 | | | | | | | | | | | 1.25 | .05 | | | 2.05 | |
| Jamestown | do. | | | | | | | | .40 | | | | | | | | | | .30 | | | | | | | | | | | | 1.26 | | T. | 1.96 | |
| Jenny Lind | do. | | | | | | | | .20 | | | | | | | | | | .10 | | | | | | | | | | | | | | | 0.30 | |
| Jolon | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.42 | |
| Julian | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .32 | .30 | | | 0.62 | |
| Kennedy Mine | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11.86 | |
| Kennett | Sacramento | | | | | | | * | * | 1.58 | | .24 | | | | | | .24 | | | | | | | | | | | | .11 | | | | 2.17 | |
| Kentfield | Coast | | | | | | | .37 | .15 | | | | | | | | | .05 | .03 | | | | | | | | | | | .61 | | | | 1.21 | |
| Kernville | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.00 | |
| King City | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.42 | |
| Knights Landing | Sacramento | | | | | | | | .16 | | | | | | | | | | .06 | T. | | | | | | | | | | .42 | .20 | | | 0.45 | |
| La Grange | do. | | | | | | | | .14 | | | | | | | | | | | | | | | | | | | | | .23 | .41 | | .25 | 1.03 | |
| La Jolla | Coast | .02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | .06 | .52 | .13 | | 0.73 | |
| Lake Eleanor | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lakeside | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lake Spaulding | Sacramento | | | | | | | | T. | 1.20 | | | .05 | | | | | .75 | .55 | | | | | | | | | | | .26 | .55 | | | 3.36 | |
| La Porte | do. | | | | | | | | T. | 1.54 | T. | T. | .12 | | | | | 1.01 | .63 | .15 | | | | | | | | | | .22 | .41 | T. | T. | 4.09 | |
| Lathrop | San Joaquin | | | | | | | | .06 | | | | | | | | | | .18 | | | | | | | | | | | | .42 | T. | | 0.66 | |
| Laurel | Coast | | | | | | | | T. | .65 | | | | | | | | | | | | | | | | | | | | | .15 | .60 | | 1.50 | |
| Le Grand | San Joaquin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.56 | |
| Lemon Cove | do. | | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 11—Continued.

[illegible]

TABLE 2.—Daily precipitation for May, 1913. District No. 11—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|---------------------|--------------|---------------|---|---|---|---|---|---|-----|------|------|-----|-----|----|----|----|----|-----|------|-----|-----|----|----|----|-----|----|----|-----|----|------|------|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| California—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Three Rivers..... | San Joaquin. | | | | | | | | | | | | | | | | | | | | | | | | | | T. | T. | | 1.65 | T. | T. | | 1.65 |
| Towle..... | Sacramento | | | | | | | | .02 | 1.40 | | | | | | | | T. | .85 | | | | | | | | | | T. | .20 | | | 2.47 | |
| Tracy..... | San Joaquin. | | | | | | | | | .02 | | | | | | | | | | | .18 | | | | | | | | | | .33 | | | 0.53 |
| Tulare..... | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .55 | | | .07 | 0.62 |
| Tustin (near)..... | Coast. | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | .13 | | | | 0.13 |
| Ukiah..... | do | | | | | | | | .35 | .05 | .14 | | .17 | | | | | .18 | | | | | | | | | | | | .66 | .02 | | 1.57 | |
| Upper Lake..... | Sacramento | | | | | | | | .17 | .11 | .04 | | .03 | | | | | .15 | | | | | | | | | | | | .81 | .02 | | 1.33 | |
| Upper Mattole..... | Coast. | | | | | | | | .22 | .63 | .88 | .11 | .81 | | T. | | | | .04 | T. | | | | | | | | | | .04 | .13 | .02 | 2.88 | |
| Vacaville..... | Sacramento | | | | | | | | .03 | | | T. | | | | | | .07 | T. | | | | | | | | | .01 | | .30 | | | 0.41 | |
| Valley Springs..... | San Joaquin. | | | | | | | | T. | .46 | | | | | | | | T. | .12 | | | | | | | | | | T. | .82 | .05 | | 1.45 | |
| Visalia..... | do | | | | | | | | | | | | | | | | | T. | | | | | | | | | | | T. | .89 | | | 0.89 | |
| Warner Springs..... | Coast. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .07 | | 0.08 | |
| Wasco..... | San Joaquin. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Watsonville..... | Coast. | | | | | | | | .08 | | | | | | | | | .06 | | | | | | | | | | | | .52 | | | 0.66 | |
| Weaverville..... | do | | | | | | | | .25 | .26 | .12 | .02 | .18 | | | | | .04 | .04 | | | | | | | | | | | .51 | .01 | | T. | 1.43 |
| Weitchpec..... | Klamath. | | | | | | | | .23 | .63 | 1.03 | .05 | .63 | | | | | | .07 | | | | | | | | | | | .18 | | | 2.82 | |
| West Branch..... | Sacramento | | | | | | | | .10 | 1.31 | .09 | | .28 | | | | | .36 | .22 | | | | | | | | | | | .12 | .36 | | | 2.84 |
| Westley..... | San Joaquin. | | | | | | | | | .10 | | | | | | | | | | | | | | | | | | | | .42 | | | | 0.52 |
| West Point..... | do | | | | | | | | | .32 | .30 | | | | | | | | .43 | .05 | | | | | | | | | | | 1.23 | .14 | .02 | 2.49 |
| West Saticoy..... | Coast. | | | | | | | | | | | | | | | | | | | | | | | | .05 | | | | | | | | 0.05 | |
| Wheatland..... | Sacramento | | | | | | | | T. | .37 | | | | | | | | .19 | .10 | | | | | | | | | | | .04 | .22 | | T. | 0.92 |
| Willows..... | do | | | | | | | | .04 | .06 | | | | | | | | .11 | .11 | | | | | | | | | | | .79 | .12 | | | 1.23 |
| Yorba Linda..... | Coast. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .16 | | | 0.16 |
| Yosemite..... | San Joaquin. | .04 | | | | | | | | | | | | | | | | T. | 1.20 | | | | | | | | T. | T. | | .72 | | | 1.96 | |

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

‡ Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for May, 1913. District No. 11, California.

| Date. | California. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-----------------|------|----------|------|----------|------|------------|------|----------|------|---------|------|---------|------|---------|------|---------------|------|--------------|------|------------------|------|--------------|------|--------------|------|------------|------|------|------|------|------|------|------|
| | Lakeview, Oreg. | | Alturas. | | Barstow. | | Branscomb. | | Brawley. | | Colusa. | | Eureka. | | Fresno. | | Independence. | | Los Angeles. | | Mount Tamalpais. | | Nevada City. | | Porterville. | | Red Bluff. | | | | | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 45 | 21 | 51 | 26 | 62 | 40 | 65 | 30 | 75 | 50 | 77 | 39 | 51 | 42 | 70 | 40 | 59 | 33 | 65 | 49 | 56 | 41 | 65 | 25 | 73 | 38 | 66 | 46 | 66 | 46 | 66 | 46 | 66 | 46 |
| 2..... | 54 | 27 | 58 | 29 | 70 | 42 | 70 | 33 | 79 | 49 | 79 | 41 | 54 | 39 | 75 | 46 | 65 | 29 | 66 | 49 | 64 | 47 | 72 | 30 | 80 | 41 | 75 | 51 | 75 | 51 | 75 | 51 | 75 | 51 |
| 3..... | 62 | 27 | 66 | 27 | 76 | 44 | 75 | 38 | 85 | 53 | 81 | 45 | 53 | 46 | 80 | 48 | 73 | 36 | 69 | 50 | 68 | 56 | 76 | 32 | 90 | 46 | 83 | 51 | 83 | 51 | 83 | 51 | 83 | 51 |
| 4..... | 66 | 28 | 73 | 31 | 80 | 40 | 78 | 43 | 89 | 54 | 83 | 47 | 56 | 47 | 87 | 56 | 76 | 42 | 70 | 52 | 75 | 59 | 79 | 37 | 92 | 51 | 88 | 60 | 88 | 60 | 88 | 60 | 88 | 60 |
| 5..... | 73 | 34 | 79 | 32 | 84 | 43 | 77 | 40 | 91 | 58 | 86 | 53 | 52 | 46 | 92 | 55 | 80 | 44 | 73 | 47 | 67 | 54 | 83 | 40 | 96 | 53 | 87 | 56 | 87 | 56 | 87 | 56 | 87 | 56 |
| 6..... | 75 | 38 | 81 | 37 | 86 | 51 | 68 | 39 | 94 | 60 | 84 | 52 | 52 | 46 | 84 | 54 | 80 | 45 | 68 | 51 | 58 | 40 | 79 | 40 | 91 | 55 | 85 | 53 | 85 | 53 | 85 | 53 | 85 | 53 |
| 7..... | 68 | 45 | 76 | 46 | 80 | 42 | 62 | 42 | 92 | 60 | 79 | 49 | 64 | 48 | 74 | 50 | 75 | 44 | 67 | 52 | 47 | 40 | 74 | 38 | 90 | 48 | 72 | 49 | 72 | 49 | 72 | 49 | 72 | 49 |
| 8..... | 68 | 38 | 66 | 33 | 81 | 40 | 60 | 45 | 90 | 50 | 75 | 50 | 63 | 54 | 79 | 51 | 78 | 44 | 69 | 50 | 48 | 45 | 67 | 35 | 84 | 48 | 68 | 52 | 68 | 52 | 68 | 52 | 68 | 52 |
| 9..... | 58 | 38 | 61 | 42 | 81 | 42 | 62 | 45 | 93 | 55 | 75 | 49 | 64 | 53 | 77 | 57 | 78 | 44 | 68 | 52 | 53 | 44 | 64 | 45 | 85 | 55 | 69 | 56 | 69 | 56 | 69 | 56 | 69 | 56 |
| 10..... | 54 | 39 | 59 | 40 | 79 | 46 | 57 | 45 | 95 | 55 | 75 | 50 | 59 | 49 | 76 | 52 | 80 | 43 | 72 | 51 | 55 | 45 | 63 | 41 | 89 | 50 | 69 | 52 | 69 | 52 | 69 | 52 | 69 | 52 |
| 11..... | 56 | 29 | 57 | 30 | 84 | 45 | 59 | 40 | 95 | 55 | 75 | 45 | 59 | 45 | 79 | 50 | 79 | 45 | 75 | 54 | 59 | 43 | 66 | 33 | 88 | 48 | 67 | 46 | 67 | 46 | 67 | 46 | 67 | 46 |
| 12..... | 50 | 36 | 56 | 29 | 80 | 41 | 58 | 35 | 95 | 57 | 70 | 52 | 54 | 42 | 72 | 52 | 76 | 47 | 69 | 51 | 51 | 39 | 63 | 34 | 78 | 46 | 68 | 48 | 68 | 48 | 68 | 48 | 68 | 48 |
| 13..... | 55 | 28 | 60 | 28 | 76 | 48 | 59 | 30 | 89 | 57 | 75 | 44 | 55 | 43 | 77 | 48 | 72 | 41 | 68 | 53 | 59 | 40 | 70 | 31 | 80 | 45 | 74 | 48 | 74 | 48 | 74 | 48 | 74 | 48 |
| 14..... | 63 | 26 | 69 | 27 | 79 | 46 | 63 | 33 | 90 | 59 | 80 | 47 | 57 | 42 | 82 | 49 | 74 | 44 | 71 | 52 | 63 | 47 | 73 | 33 | 85 | 47 | 78 | 49 | 78 | 49 | 78 | 49 | 78 | 49 |
| 15..... | 60 | 40 | 68 | 37 | 84 | 48 | 69 | 35 | 93 | 54 | 82 | 50 | 58 | 52 | 84 | 50 | 81 | 46 | 75 | 50 | 64 | 47 | 75 | 38 | 92 | 49 | 81 | 53 | 81 | 53 | 81 | 53 | 81 | 53 |
| 16..... | 63 | 32 | 71 | 46 | 91 | 49 | 72 | 38 | 96 | 56 | 85 | 63 | 56 | 51 | 90 | 57 | 84 | 52 | 75 | 54 | 70 | 54 | 80 | 41 | 93 | 54 | 85 | 59 | 85 | 59 | 85 | 59 | 85 | 59 |
| 17..... | 63 | 39 | 67 | 45 | 93 | 46 | 62 | 42 | 92 | 60 | 82 | 60 | 61 | 48 | 85 | 60 | 84 | 52 | 70 | 54 | 59 | 46 | 66 | 45 | 92 | 56 | 72 | 62 | 72 | 62 | 72 | 62 | 72 | 62 |
| 18..... | 53 | 31 | 60 | 37 | 83 | 41 | 62 | 46 | 93 | 59 | 75 | 52 | 57 | 49 | 79 | 57 | 73 | 60 | 64 | 56 | 57 | 46 | 63 | 48 | 93 | 50 | 70 | 56 | 70 | 56 | 70 | 56 | 70 | 56 |
| 19..... | 59 | 30 | 68 | 32 | 85 | 45 | 68 | 47 | 89 | 59 | 78 | 49 | 57 | 50 | 78 | 54 | 76 | 42 | 66 | 53 | 62 | 47 | 74 | 36 | 83 | 51 | 81 | 52 | 81 | 52 | 81 | 52 | 81 | 52 |
| 20..... | 63 | 32 | 72 | 37 | 88 | 44 | 70 | 48 | 91 | 56 | 81 | 53 | 57 | 51 | 84 | 55 | 80 | 46 | 66 | 53 | 66 | 52 | 77 | 42 | 88 | 54 | 81 | 59 | 81 | 59 | 81 | 59 | 81 | 59 |
| 21..... | 72 | 35 | 82 | 37 | 93 | 48 | 74 | 48 | 93 | 59 | 86 | 54 | 55 | 50 | 89 | 54 | 85 | 54 | 70 | 54 | 66 | 54 | 79 | 43 | 92 | 53 | 89 | 60 | 89 | 60 | 89 | 60 | 89 | 60 |
| 22..... | 79 | 44 | 84 | 43 | 95 | 52 | 83 | 54 | 95 | 60 | 87 | 60 | 56 | 50 | 93 | 59 | 88 | 54 | 70 | 55 | 71 | 56 | 83 | 44 | 92 | 52 | 89 | 60 | 89 | 60 | 89 | 60 | 89 | 60 |
| 23..... | 75 | 45 | 83 | 45 | 96 | 50 | 82 | 50 | 94 | 60 | 89 | 56 | 56 | 51 | 94 | 60 | 89 | 57 | 76 | 54 | 73 | 56 | 87 | 44 | 96 | 55 | 93 | 61 | 93 | 61 | 93 | 61 | 93 | 61 |
| 24..... | 74 | 46 | 82 | 47 | 98 | 52 | 80 | 50 | 97 | 65 | 91 | 57 | 58 | 50 | 96 | 60 | 89 | 57 | 76 | 55 | 70 | 60 | 87 | 44 | 100 | 66 | 93 | 67 | 93 | 67 | 93 | 67 | 93 | 67 |
| 25..... | 77 | 41 | 85 | 41 | 96 | 50 | 80 | 44 | 96 | 61 | 90 | 57 | 59 | 49 | 98 | 61 | 89 | 56 | 68 | 56 | 74 | 62 | 88 | 45 | 97 | 64 | 95 | 64 | 95 | 64 | 95 | 64 | 95 | 64 |
| 26..... | 81 | 44 | 87 | 42 | 91 | 51 | 63 | 43 | 92 | 60 | 89 | 58 | 58 | 50 | 98 | 62 | 84 | 55 | 64 | 55 | 70 | 46 | 88 | 46 | 98 | 61 | 93 | 62 | 93 | 62 | 93 | 62 | 93 | 62 |
| 27..... | 74 | 46 | 81 | 40 | 84 | 48 | 56 | 43 | 77 | 62 | 82 | 55 | 56 | 50 | 74 | 54 | 79 | 51 | 64 | 55 | 47 | 42 | 59 | 46 | 79 | 56 | 67 | 55 | 67 | 55 | 67 | 55 | 67 | 55 |
| 28..... | 55 | 44 | 55 | 45 | 74 | 44 | 64 | 40 | 85 | 54 | 84 | 53 | 56 | 50 | 66 | 51 | 59 | 48 | 66 | 53 | 55 | 42 | 53 | 43 | 63 | 50 | 73 | 55 | 73 | 55 | 73 | 55 | 73 | 55 |
| 29..... | 68 | 33 | 71 | 37 | 80 | 46 | 78 | 42 | 92 | 57 | 86 | 53 | 55 | 45 | 73 | 54 | 74 | 46 | 68 | 53 | 71 | 48 | 78 | 39 | 73 | 58 | 87 | 59 | 87 | 59 | 87 | 59 | 87 | 59 |
| 30..... | 74 | 41 | 80 | 44 | 83 | 48 | 90 | 45 | 91 | 60 | 92 | 62 | 59 | 45 | 87 | 58 | 74 | 48 | 72 | 52 | 78 | 63 | 83 | 43 | 83 | 62 | 94 | 70 | 94 | 70 | 94 | 70 | 94 | 70 |
| 31..... | 77 | 47 | 85 | 45 | 90 | 51 | 86 | 47 | 93 | 56 | 93 | 63 | 60 | 48 | 91 | 66 | 72 | 45 | 66 | 55 | 75 | 60 | 86 | 52 | 92 | 61 | 96 | 66 | 96 | 66 | 96 | 66 | 96 | 66 |
| Mns.. | 65.0 | 36.3 | 70.7 | 37.3 | 84.0 | 45.9 | 69.4 | 41.8 | 90.7 | 57.4 | 82.2 | 51.9 | 57.0 | 47.8 | 82.7 | 54.2 | 77.6 | 46.8 | 69.2 | 52.6 | 62.9 | 49.1 | 74.2 | 39.8 | 87.3 | 52.4 | 80.3 | 56.0 | 80.3 | 56.0 | 80.3 | 56.0 | 80.3 | 56.0 |

| Date. | California. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-------------|------|-------------|------|------------|------|----------------|------|-----------|------|------------------|------|----------------|------|-------------|------|---------|------|-----------|------|---------|------|-------------|-------|-----------|------|----|--|
| | Redlands. | | Sacramento. | | San Diego. | | San Francisco. | | San Jose. | | San Luis Obispo. | | Santa Barbara. | | Santa Rosa. | | Sisson. | | Stockton. | | Summit. | | Susanville. | | Yosemite. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | |
| 1..... | 66 | 38 | 67 | 48 | 63 | 49 | 62 | 50 | 67 | 36 | 62 | 38 | 65 | 45 | 65 | 34 | 49 | 29 | 70 | 43 | 38 | 12 | ..... | ..... | 63 | 15 | | |
| 2..... | 70 | 35 | 74 | 47 | 59 | 47 | 68 | 48 | 73 | 37 | 69 | 34 | 60 | 43 | 76 | 33 | 60 | 36 | 75 | 42 | 45 | 22 | ..... | ..... | 65 | 18 | | |
| 3..... | 74 | 40 | 82 | 50 | 63 | 49 | 65 | 49 | 81 | 40 | 73 | 36 | 65 | 44 | 80 | 37 | 70 | 37 | 83 | 46 | 52 | 30 | ..... | ..... | 72 | 15 | | |
| 4..... | 78 | 42 | 84 | 50 | 63 | 52 | 64 | 49 | 81 | 48 | 66 | 46 | 64 | 48 | 75 | 40 | 75 | 39 | 84 | 49 | 56 | 32 | ..... | ..... | 84 | 20 | | |
| 5..... | 85 | 45 | 87 | 50 | 65 | 52 | 58 | 50 | 71 | 47 | 70 | 45 | 62 | 46 | 68 | 50 | 75 | 42 | 83 | 50 | 60 | 33 | ..... | ..... | 80 | 28 | | |
| 6..... | 79 | 45 | 73 | 48 | 62 | 55 | 55 | 48 | 67 | 51 | 62 | 45 | 60 | 50 | 63 | 46 | 76 | 43 | 73 | 48 | 60 | 35 | ..... | ..... | 85 | 30 | | |
| 7..... | 72 | 43 | 67 | 49 | 63 | 56 | 63 | 52 | 70 | 47 | 65 | 41 | 65 | 44 | 64 | 48 | 62 | 42 | 71 | 45 | 58 | 36 | ..... | ..... | 84 | 29 | | |
| 8..... | 74 | 42 | 72 | 51 | 64 | 56 | 65 | 55 | 72 | 52 | 71 | 49 | 65 | 45 | 68 | 48 | 48 | 41 | 75 | 49 | 50 | 30 | ..... | ..... | 76 | 23 | | |
| 9..... | 76 | 45 | 69 | 56 | 64 | 53 | 64 | 54 | 71 | 58 | 68 | 53 | 69 | 51 | 67 | 49 | 48 | 40 | 72 | 57 | 42 | 28 | ..... | ..... | 71 | 30 | | |
| 10..... | 78 | 42 | 70 | 52 | 65 | 56 | 63 | 53 | 70 | 48 | 68 | 52 | 68 | 46 | 67 | 49 | 55 | 29 | 70 | 57 | 42 | 34 | ..... | ..... | 72 | 28 | | |
| 11..... | 85 | 45 | 73 | 47 | 68 | 53 | 63 | 51 | 69 | 42 | 77 | 52 | 75 | 48 | 70 | 40 | 54 | 33 | 74 | 47 | 46 | 27 | ..... | ..... | 71 | 28 | | |
| 12..... | 75 | 45 | 69 | 49 | 64 | 55 | 60 | 51 | 65 | 46 | 66 | 48 | 75 | 46 | 68 | 40 | 52 | 32 | 70 | 48 | 38 | 27 | ..... | ..... | 74 | 24 | | |
| 13..... | 75 | 45 | 74 | 48 | 65 | 53 | 62 | 49 | 70 | 41 | 66 | 48 | 68 | 46 | 71 | 37 | 50 | 32 | 75 | 46 | 50 | 25 | ..... | ..... | 70 | 16 | | |
| 14..... | 89 | 45 | 76 | 47 | 65 | 56 | 59 | 49 | 68 | 41 | 68 | 43 | 70 | 46 | 70 | 37 | 57 | 30 | 77 | 49 | 52 | 30 | ..... | ..... | 71 | 18 | | |
| 15..... | 84 | 46 | 81 | 49 | 66 | 56 | 60 | 50 | 73 | 43 | 77 | 43 | 67 | 50 | 71 | 40 | 65 | 37 | 80 | 49 | 56 | 30 | ..... | ..... | 74 | 23 | | |
| 16..... | 85 | 50 | 87 | 53 | 65 | 55 | 69 | 48 | 80 | 50 | 85 | 47 | 65 | 52 | 84 | 40 | 56 | 36 | 86 | 51 | 58 | 34 | ..... | ..... | 84 | 22 | | |
| 17..... | 80 | 45 | 75 | 57 | 63 | 55 | 68 | 51 | 73 | 50 | 65 | 49 | 62 | 53 | 73 | 49 | 65 | 42 | 79 | 56 | 48 | 34 | ..... | ..... | 80 | 31 | | |
| 18..... | 74 | 53 | 70 | 52 | 65 | 58 | 63 | 51 | 70 | 54 | 65 | 52 | 60 | 55 | 69 | 40 | 63 | 31 | 72 | 54 | 42 | 34 | ..... | ..... | 70 | 33 | | |
| 19..... | 72 | 53 | 77 | 49 | 64 | 58 | 61 | 51 | 71 | 51 | 64 | 51 | 64 | 47 | 71 | 40 | 65 | 38 | 77 | 50 | 52 | 34 | ..... | ..... | 72 | 22 | | |
| 20..... | 75 | 53 | 81 | 50 | 64 | 57 | 59 | 50 | 68 | 48 | 62 | 50 | 60 | 46 | 71 | 43 | 68 | 38 | 79 | 50 | 58 | 34 | ..... | ..... | 75 | 23 | | |
| 21..... | 80 | 53 | 82 | 50 | 65 | 58 | 57 | 57 | 49 | 67 | 48 | 68 | 51 | 62 | 46 | 72 | 42 | 77 | 43 | 81 | 52 | 62 | 38 | | | 80 | 24 | |
| 22..... | 85 | 52 | 88 | 52 | 67 | 59 | 62 | 50 | 75 | 46 | 73 | 45 | 65 | 48 | 75 | 42 | 79 | 48 | 85 | 52 | 65 | 40 | ..... | ..... | 87 | 32 | | |
| 23..... | 83 | 55 | 88 | 52 | 67 | 58 | 60 | 49 | 75 | 49 | 73 | 49 | 70 | 51 | 78 | 43 | 77 | 41 | 87 | 51 | 68 | 39 | ..... | ..... | 85 | 31 | | |
| 24..... | 82 | 58 | 85 | 53 | 64 | 57 | 59 | 50 | 75 | 49 | 72 | 50 | 64 | 53 | 78 | 44 | 79 | 42 | 89 | 55 | 68 | 40 | ..... | ..... | 89 | 32 | | |
| 25..... | 70 | 52 | 92 | 55 | 65 | 57 | 62 | 50 | 80 | 48 | 69 | 46 | 59 | 53 | 83 | 42 | 80 | 45 | 92 | 54 | 69 | 40 | ..... | ..... | 90 | 35 | | |
| 26..... | 72 | 52 | 81 | 56 | 64 | 57 | 59 | 51 | 75 | 48 | 60 | 52 | 58 | 53 | 66 | 42 | 76 | 42 | 85 | 56 | 67 | 38 | ..... | ..... | 89 | 38 | | |
| 27..... | 67 | 52 | 64 | 53 | 66 | 57 | 59 | 51 | 66 | 51 | 57 | 51 | 60 | 54 | 58 | 52 | 70 | 40 | 66 | 57 | 58 | 40 | ..... | ..... | 70 | 50 | | |
| 28..... | 66 | 53 | 66 | 52 | 62 | 56 | 65 | 51 | 65 | 50 | 60 | 50 | 64 | 52 | 72 | 50 | 58 | 41 | 72 | 51 | 49 | 32 | ..... | ..... | 51 | 26 | | |
| 29..... | 70 | 48 | 84 | 54 | 65 | 56 | 66 | 50 | 78 | 47 | 68 | 46 | 64 | 45 | 80 | 45 | 70 | 45 | 88 | 53 | 56 | 40 | ..... | ..... | 70 | 23 | | |
| 30..... | 83 | 50 | 90 | 60 | 66 | 54 | 78 | 54 | 89 | 51 | 76 | 47 | 63 | 48 | 92 | 51 | 78 | 55 | 93 | 50 | 58 | 39 | ..... | ..... | 76 | 28 | | |
| 31..... | 79 | 50 | 90 | 62 | 62 | 58 | 62 | 52 | 83 | 56 | 71 | 50 | 60 | 54 | 77 | 49 | 80 | 54 | 92 | 63 | 59 | 40 | ..... | ..... | 74 | 26 | | |
| Mns..... | 76.9 | 47.5 | 78.0 | 51.6 | 64.3 | 55.1 | 62.6 | 50.5 | 72.8 | 47.5 | 68.3 | 47.1 | 64.5 | 48.6 | 72.3 | 43.3 | 65.7 | 39.5 | 79.2 | 51.0 | 54.3 | 33.1 | ..... | ..... | 75.9 | 26.5 | | |

CLIMATOLOGICAL DATA FOR MAY, 1913.

DISTRICT NO. 12, COLUMBIA VALLEY.

EDWARD A. BEALS, District Editor.

The weather during the month was on the whole favorable for agriculture, transportation, and construction work. No very high nor very low temperatures occurred. The forepart of the month was cool, but no damaging frosts formed, and the last week or ten days were warm. During the warm period the snow in the mountains melted rapidly and the smaller tributaries of the Columbia River reached flood stages and inundated large areas of bottom land. The main stream rose rapidly, but no flood stages were reached except in the neighborhood of Vancouver and Portland, and at those places ample warnings prevented any damage being done to movable property. There were no serious delays to transcontinental traffic, but some interruptions took place on branch lines, especially in Montana and Idaho. During the last half of the month there were many thunderstorms in the mountain regions, and some of them were attended by heavy rains, partaking of the nature of cloudbursts. These cloudbursts did damage locally, but they occurred in such sparsely settled localities as to attract little attention. On the whole the soil is well moistened, notwithstanding the slight deficiency in rainfall and the absence of sufficient precipitation in April to offset the drying winds of that month. This condition was brought about not so much on account of the quantity of rainfall in May, but in consequence of its falling opportunely in the principal agricultural sections. In the dry-farming districts the deficiency noted in April has not been made up, and the outlook is somewhat discouraging.

TEMPERATURE.

The forepart of the month was characterized by low temperatures in nearly all sections and the closing days by unusually high temperatures. Frosts formed in exposed localities and caused some damage to fruit and garden truck, but as a rule they were not heavy enough to cause much harm. Minimum temperatures below freezing were recorded at all Montana stations and at a large number of stations in Washington, while in Idaho there were several pronounced cold periods, during which the temperature at many stations fell as low as has every been recorded at the same point in May. Temperatures below freezing were also recorded at many Oregon stations on the 1st.

The high temperatures of the last decade in a measure compensated for the lack of warmth in the first two decades and brought the mean temperature for the district to slightly above normal. During this period of high temperature maxima of 90° and above were recorded on the 23d in Wyoming, on the 26th in Montana, Idaho, and Oregon, and on the 31st in Washington and Oregon.

The mean temperature, as determined from the records of 273 stations, was 54.3°, or 0.4° above normal. The

highest temperature, 99°, was recorded on the 26th, at Glens Ferry, in southwestern Idaho, at an elevation of 2,569 feet, and the lowest temperature, 10°, occurred on the 1st, at Clifi and Whitaker, which are contiguous stations in central Oregon, at elevations of 4,300 and 4,250 feet, respectively. The greatest daily range in temperature was 59°, at Bedford, Wyo., at an elevation of 5,900 feet. The highest monthly mean, 63.2°, was recorded at Guffey, Idaho, and the lowest monthly mean, 45°, at Landore and Pierson, Idaho, and Bumping Lake, Wash.

The following table shows for comparative purposes the mean temperature and departure from normal for the States of Oregon, Washington, and Idaho, and those portions of Montana and Wyoming in district No. 12 for the month of May during the last five years:

| Years. | Oregon. | | Washington. | | Idaho. | | Montana. | | Wyoming. | |
|-----------|---------|----------------------|-------------|----------------------|--------|----------------------|----------|----------------------|----------|----------------------|
| | Mean. | De- par- ture. | Mean. | De- par- ture. | Mean. | De- par- ture. | Mean. | De- par- ture. | Mean. | De- par- ture. |
| 1909..... | 51.8 | -2.4 | 53.4 | -2.2 | 50.2 | -2.8 | 47.3 | -3.0 | 41.4 | -2.8 |
| 1910..... | 57.2 | +3.3 | 58.1 | +2.5 | 54.9 | +2.0 | 53.5 | +2.7 | 45.7 | +0.9 |
| 1911..... | 51.2 | -3.0 | 52.7 | -2.7 | 50.7 | -2.4 | 47.6 | -2.2 | 44.2 | -0.3 |
| 1912..... | 55.2 | +0.8 | 56.9 | +1.6 | 52.7 | -1.3 | 50.8 | -0.4 | 42.2 | -2.4 |
| 1913..... | 54.4 | +0.7 | 54.6 | -0.3 | 55.2 | +1.6 | 50.6 | -0.2 | 48.2 | +2.3 |

PRECIPITATION.

The precipitation was irregularly distributed and generally less than the average in nearly every portion of the district, except in western Idaho, a few localities in Washington, and in northeastern Oregon, where it was somewhat above normal. The first week was practically without rain, except in the coast and Sound portions, and there was a general absence of precipitation from the 20th to the 25th and from the 28th to the close of the month. The wet periods were from the 8th to the 18th and on the 26th and 27th. The snowfall during the month was over 14 inches at Hat Creek, Mont., at an elevation of 6,000 feet; 3 inches fell at Alta, Wyo., and 2.5 inches in the mountains of southwestern Oregon. At the end of the month the snow was still of considerable depth in the gulches and on the northern slopes of the high mountain peaks, but the warm weather of the last few days caused rapid melting, and a consequent rise in the waters of the principal rivers and their tributaries.

The average precipitation for the district, as computed from the records of 375 stations, was 1.77 inches, which was 0.33 inch less than normal. The greatest 24-hour rainfall, 1.98 inches, occurred at Wallace, Wash., on the 9th. The greatest monthly amount, 8.03 inches, was recorded at Quinault, a station in the Olympic Mountains near the coast, in the State of Washington. Only a trace of precipitation was reported from Mountainhome

and Sunnyside, in the Snake watershed of southwestern Idaho.

The average monthly precipitation with departure from normal for the month of May during the last five years is also shown in the following table, for the States of Oregon, Washington, and Idaho and for those portions of Montana and Wyoming in district No. 12:

| Years. | Oregon. | | Washington. | | Idaho. | | Montana. | | Wyoming. | |
|-----------|---------|----------------------|-------------|----------------------|--------|----------------------|----------|----------------------|----------|----------------------|
| | Mean. | De- par- ture. | Mean. | De- par- ture. | Mean. | De- par- ture. | Mean. | De- par- ture. | Mean. | De- par- ture. |
| 1909..... | 1.79 | -0.38 | 1.82 | -0.62 | 1.52 | -0.25 | 1.56 | -0.81 | 2.62 | -0.37 |
| 1910..... | 1.66 | -0.68 | 1.56 | -0.64 | 1.42 | -0.42 | 2.20 | -0.43 | 2.09 | -1.60 |
| 1911..... | 3.46 | +1.38 | 3.33 | +1.10 | 2.44 | +0.15 | 2.09 | -0.95 | 2.24 | -0.22 |
| 1912..... | 2.72 | +0.21 | 2.04 | -0.06 | 2.20 | +0.41 | 2.39 | +0.06 | 2.44 | -0.62 |
| 1913..... | 1.77 | -0.41 | 1.99 | -0.30 | 1.50 | -0.03 | 1.62 | -0.81 | 2.34 | -0.60 |

THE RIVERS.

The rivers were above normal in May at nearly all points. The annual rise in the Columbia and Snake Rivers began early in the month. Up to the 5th and 6th these streams had been falling, but thereafter there was a continuous increase of flow, and the highest stages of the month in the Columbia occurred on the 31st, with the water still rising. In the Snake the highest water passed Lewiston on the 28th and Riparia on the 29th. The stages recorded on these dates at Lewiston and Riparia, 19.7 and 18.6 feet, respectively, were the highest since 1899. On the Pend Oreille and Kootenai Rivers, although the highest water had not occurred by the end of May, the stages reached on the 31st were above the average high-water mark. The Columbia above the Snake River confluence had not reached the average height of the annual flood, but below the Snake River, and due to its influence, the stages on the 31st exceeded the flood heights of the three preceding years.

The Cascade Locks were closed on May 30 at a stage of 28.9 feet and with water at The Dalles reading 35.9 feet on the gage. The 15-foot mark at Portland, which is reckoned as the flood stage, was reached by back water from the Columbia on May 25. The stage at the close of the month was 20.4 feet. All the lower docks were flooded and water was beginning to seep into cellars within a few blocks of the water front. Inundation of

low-pasture and truck land along the lower Columbia was imminent, and dairymen were preparing to move their stock to other pasturage.

Financial loss due to the rising water was slight up to the close of May, and at that time the most threatening aspect of the flood was in its possible effect on the railroad and telegraph companies operating along the lower Columbia, since roadbeds and poles would be in danger should the water go much higher.

MISCELLANEOUS PHENOMENA.

Thunderstorms, in some instances accompanied by hail, were of frequent occurrence in the western part of the district during the second and third decades. Some damage was caused by hail on the 9th in Pierce County, Wash., and the cooperative observer at Crescent, Oreg., reported that "during a thunderstorm on the 26th hailstones fell about the size of ordinary hazelnuts. These stones were very hard, cutting the foliage and seed cones from the pine trees to a considerable extent. Settlers can give no record of any such storm occurring in the past."

Killing frosts during the first decade were reported from a few scattered stations in Montana, Idaho, and Oregon; otherwise the month was exceptionally free from frosts of this character.

The prevailing winds were from the northwest, and while they were frequently high in the eastern part of the district, they were not of a destructive nature. The highest velocity for any five-minute period was 56 miles from the southeast, at North Head, Wash., on the 9th.

Lightning was the cause of one death, at Nampa, Idaho, and was also of considerable damage to property in that place.

A belated report from the special meteorological observer at Medford, Oreg., confirms the statement in the March, 1913, summary from the cooperative observer at Harbor, Oreg., relative to an earthquake shock experienced on the 15th of that month. The report from Medford states that—

On March 15, at 12.40 p. m., I felt two distinct shocks, the first being about one second in duration and the second about three seconds in duration. My office building building rocked considerably, the most perceptible shock being felt in the elevator cage. A few other people in the building noticed the quake, as well as others in different parts of the city and valley.

TABLE 1.—Climatological data for May, 1913. District No. 12, Columbia Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|-------------------------|-------------------|------------------|--------------------------|-------------------------------------|----------------------------|-----------------|-----------------|-----------------|----------------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|----------------------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Montana. | | | | | | | | | | | | | | | | | | | | |
| Anaconda. | Deer Lodge. | 5,300 | 11 | 47.9 | - 0.1 | 82 | 26 | 19 | 1 | 40 | 1.75 | - 0.45 | 0.32 | 4.0 | 14 | 6 | 21 | 4 | C. D. Demond. | |
| Butte. | Silver Bow. | 5,716 | 18 | 48.6 | + 0.3 | 81 | 26 | 17 | 1 | 37 | 1.57 | - 0.66 | 0.32 | 2.0 | 9 | 5 | 15 | 11 | J. R. Wharton. | |
| Columbia Falls. | Flathead. | 3,100 | 17 | 50.4 | - 0.5 | 85 | 31 | 22 | 1 | 45 | 1.35 | - 1.69 | 0.36 | 0 | 10 | 13 | 8 | 10 | J. M. Grist. | |
| Como. | Ravalli. | 3,700 | 4 | 54.6 | ..... | 93 | 26 | 27 | 1 | 41 | 1.29 | ..... | 0.34 | 2.0 | 11 | 10 | 12 | 9 | Hiram Platt. | |
| Dayton. | Flathead. | ..... | 8 | 51.2 ^e | + 0.3 | 80 | 31 | 24 ^h | 1 | 41 ^h | 1.40 | ..... | 0.30 | 0 | 7 | 18 | 0 | 13 | A. J. Ruechell. | |
| Deer Lodge. | Deer Lodge. | 4,529 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.18 | ..... | 0.30 | 2.5 | 6 | 7 | 24 | 0 | H. B. Grant. | |
| East Anaconda. | do. | 5,500 | 7 | 47.3 | ..... | 82 | 26 | 20 | 1 | 34 | 1.48 | ..... | 0.60 | 4.0 | 14 | 6 | 21 | 4 | C. D. Demond. | |
| Fortine. | Lincoln. | 2,975 | 7 | 48.6 | ..... | 84 | 31 | 17 | 4 | 47 | 1.60 | ..... | 0.60 | 0 | 11 | 7 | 14 | 10 | Mike Petery. | |
| Hamilton. | Ravalli. | 3,575 | 10 | 53.2 | + 0.1 | 86 | 26 | 26 | 1 | 41 | 1.12 | - 0.50 | 0.45 | 2.0 | 10 | 11 | 6 | 14 | Hamilton Chamber of Com. | |
| Hat Creek. | Powell. | 6,000 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.04 | ..... | 0.60 | 14.1 | 18 | 4 | 14 | 13 | M. K. Landreth. | |
| Haugan. | Missoula. | 3,150 | 1 | 49.8 | ..... | 87 | 26 | 23 | 6 | 51 | 1.43 | ..... | 0.29 | 0.5 | 13 | 12 | 11 | 8 | U. S. Forest Service. | |
| Heron. | Sanders. | 2,261 | 1 | 52.2 | ..... | 83 | 31 | 25 | 2 | 45 | 2.55 | ..... | 0.57 | 0 | 14 | 11 | 12 | 8 | E. Knott. | |
| Kalispell. | Flathead. | 2,965 | 14 | 50.9 | - 0.1 | 81 | 26 | 25 | 1 | 37 | 0.92 | - 1.11 | 0.28 | 0 | 12 | 10 | 11 | 10 | U. S. Weather Bureau. | |
| Libby. | Lincoln. | 2,055 | 3 | 52.2 | - 1.3 | 87 | 31 | 19 | 1 | 50 | 0.55 | - 1.34 | 0.20 | 0 | 4 | 12 ^a | 4 ^a | 14 ^a | U. S. Forest Service. | |
| Missoula. | Missoula. | 3,225 | 33 | 52.4 | - 1.2 | 87 | 26 | 26 | 1 | 45 | 1.44 | - 0.69 | 0.34 | 13 | 16 | 3 | 12 | 0 | U. S. Weather Bureau. | |
| Ovando. | Powell. | 4,207 | 13 | 48.2 | + 0.7 | 82 | 26 | 24 | 1 | 45 | 1.78 | - 0.64 | 0.25 | 0 | 15 | 0 | 31 | 0 | S. B. Muchmore. | |
| Philipsburg. | Granite. | 5,275 | 9 | 49.0 ^d | ..... | 85 ^d | 26 | 17 ^d | 1 | 49 ^d | 1.66 | - 1.00 | 0.44 | 2.0 | 7 | 19 ^d | 2 ^d | 6 ^d | G. T. Bramble. | |
| Plains. | Sanders. | 2,475 | 14 | 52.4 | + 0.4 | 85 | 26 | 23 | 1 | 40 | 1.72 | - 0.01 | 0.48 | 0 | 11 | 7 | 19 | 5 | James M. Self. | |
| Pleasant Valley. | Flathead. | 3,500 | 5 | 47.7 | ..... | 79 | 31 | 20 | 1 | 42 | 1.53 | ..... | 0.60 | 0.5 | 14 | ..... | ..... | ..... | A. D. Stillman. | |
| Polson. | do. | 2,920 | 5 | 51.9 | ..... | 80 | 31 | 27 | 1 | 33 | 1.47 | ..... | 0.55 | 0 | 5 | ..... | ..... | ..... | F. P. Brown. | |
| St. Ignatius. | Missoula. | 2,700 | 7 | 49.6 | ..... | 83 | 26 ⁺ | 24 | 1 | 49 | 2.96 | ..... | 0.65 | 3.0 | 11 | 14 | 9 | 8 | U. S. Reclamation Service. | |
| Saltese. | do. | 3,600 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.39 | ..... | 0.42 | 0 | 13 | 13 | 0 | 18 | E. K. Tarbox. | |
| Stevensville. | Ravalli. | ..... | 1 | 49.1 | ..... | 87 | 26 | 24 | 1 ⁺ | 42 | 0.96 | ..... | 0.33 | T. | 8 | 25 | 3 | 3 | University Orchard Co. | |
| Thompson Falls. | Sanders. | 2,462 | 1 | 51.8 | ..... | 84 | 31 | 25 | ..... | 48 | 1.52 | ..... | 0.41 | 0 | 12 | 12 | 6 | 13 | U. S. Forest Service. | |
| Trout Creek. | do. | 2,375 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.86 | ..... | 0.90 | T. | 10 | 19 | 0 | 12 | James Hyland. | |
| Victor. | Ravalli. | 3,414 | ..... | 54.8 ^e | ..... | 89 ^e | 26 | 30 ^e | 17 | 43 ^e | 0.72 | ..... | 0.28 | 0 | 8 | 14 ^e | 5 ^e | 7 ^e | R. W. Fisher. | |
| Willow Glen Stock Farm. | Deer Lodge. | 5,064 | 2 | 49.6 | ..... | 84 | 25 | 13 | 1 | 45 | ..... | ..... | ..... | ..... | 15 | 1 | 15 | ne. | G. E. Luce. | |
| Wyoming. | | | | | | | | | | | | | | | | | | | | |
| Afton. | Lincoln. | 6,200 | 9 | 49.0 | ..... | 81 | 26 | 20 | 2 | 44 | 2.12 | ..... | 0.50 | 2.5 | 8 | 13 | 5 | 13 | A. V. Call. | |
| Alta. | do. | 6,500 | 3 | 47.3 | ..... | 80 | 26 | 20 | 2 | 41 | 3.20 | ..... | 0.85 | 3.0 | 13 | 8 | 5 | 18 | Mrs. Lucy Brown. | |
| Beckler River. | Yellowstone Park. | 6,500 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.18 | ..... | 0.55 | 3.0 | 11 | 8 | 21 | 2 | U. S. Army. | |
| Bedford. | Lincoln. | 5,900 | 13 | 48.4 | + 2.3 | 93 | 23 | 20 | 3 | 59 | 1.88 | - 0.60 | 0.48 | 2.0 | 11 | 16 | 8 | 7 | C. G. Heiner. | |
| Moran. | do. | 6,770 | 1 | 43.4 | ..... | 73 | 26 | 15 | 3 | 39 | 3.07 | ..... | 1.15 | 2.5 | 17 | 1 | 14 | 16 | U. S. Reclamation Service. | |
| Snake River. | Yellowstone Park. | 7,000 | 7 | 42.5 | ..... | 74 | 26 | 12 | 3 | 44 | 3.66 | ..... | 0.91 | 3.0 | 14 | 11 | 11 | 9 | U. S. Army. | |
| Nevada. | | | | | | | | | | | | | | | | | | | | |
| San Jacinto. | Elko. | | 8 | 50.2 | | 85 | 27 | 15 | 1 ⁺ | 60 | 0.82 | | 0.29 | 0 | 5 | 15 | 10 | 6 | e. | F. W. Marchant. |
| Utah. | | | | | | | | | | | | | | | | | | | | |
| Standrod. | Box Elder. | | 8 | 53.2 | | 80 | 26 | 25 | 1 | 34 | 2.04 | | 1.33 | 0 | 7 | 19 | 7 | 5 | sw. | T. B. Jones. |
| Idaho. | | | | | | | | | | | | | | | | | | | | |
| Albion. | Cassia. | 4,650 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.65 | ..... | 0.80 | 0 | 5 | 24 | 1 | 6 | C. E. Bockock. | |
| Almo. | do. | ..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.15 | + 0.51 | 1.40 | 0 | 5 | 22 | 5 | 4 | Wm. D. Cahoon. | |
| American Falls. | Power. | 4,341 | 21 | 57.6 | + 4.2 | 90 | 26 ⁺ | 30 | 1 ⁺ | 46 | 2.15 | + 0.51 | 1.40 | 0 | 5 | 22 | 5 | 4 | Geo. Stoll. | |
| Arrowrock. | Boise. | 3,100 | 1 | 60.4 | ..... | 95 | 26 | 29 | 2 | 48 | 0.10 | ..... | 0.10 | 0 | 1 | 18 | 10 | 3 | U. S. Reclamation Service. | |
| Blackfoot. | Bingham. | 4,503 | 17 | 55.0 | + 1.9 | 85 | 26 | 30 | 2 | 47 | 2.53 | + 1.00 | 1.25 | 0 | 8 | 8 | 20 | 3 | E. A. Dowd. | |
| Blackfoot Dam. | Bannock. | 6,200 | 3 | 49.2 | ..... | 78 | 26 | 13 | 3 | 43 | 2.50 | ..... | 0.65 | 0 | 12 | 9 | 4 | 18 | S. C. Waddell. | |
| Bogus Creek. | Boise. | 4,200 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.81 | ..... | 0.72 | 0 | 7 | 4 | 26 | 1 | F. P. Ingraham. | |
| Boise. | Ada. | 2,739 | 27 | 59.0 | + 1.4 | 94 | 26 | 28 | 2 | 36 | 0.58 | - 0.71 | 0.34 | 0 | 7 | 7 | 14 | 10 | U. S. Weather Bureau. | |
| Bonniers Ferry. | Bonner. | 1,850 | 6 | 50.4 | ..... | 82 | 31 | 24 | 1 ⁺ | 40 | 2.09 | ..... | 0.76 | 0 | 6 | 21 | 4 | 6 | W. H. Heideman. | |
| Boulder Mine. | Boise. | 4,800 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.79 | ..... | 0.72 | 0 | 11 | 15 | 15 | 1 | Patrick Moriarty. | |
| Buhl. | Twin Falls. | 3,800 | 6 | 57.8 | ..... | 89 | 23 | 24 | 1 | 45 | 1.58 | ..... | 0.67 | 0 | 8 | 15 | 12 | 4 | S. C. Orr. | |
| Caldwell. | Canyon. | 2,372 | 8 | 58.8 | ..... | 94 | 26 | 27 | 2 | 47 | 1.02 | ..... | 0.49 | 0 | 3 | 6 | 20 | 5 | Rev. Wm. J. Boone. | |
| Caldwell Exp. Station. | do. | ..... | 1 | 57.4 | ..... | 95 | 26 | 27 | 2 | 46 | 1.04 | ..... | 0.40 | 0 | 8 | ..... | ..... | ..... | Caldwell Exp. Station. | |
| Cambridge. | Washington. | 2,651 | 17 | 57.6 | + 1.9 | 95 | 26 | 29 | 1 ⁺ | 50 | 1.26 | - 0.34 | 0.48 | 0 | 8 | 12 | 11 | 8 | Chas. H. Shepherd. | |
| Cedar Creek Dam. | Twin Falls. | 5,220 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.26 | ..... | 0.54 | 0.5 | 12 | 10 | 17 | 4 | Robert Hoffman. | |
| Chesterfield. | Bannock. | 5,424 | 16 | 52.8 | + 3.8 | 82 | 26 | 21 | 3 | 45 | 1.08 | - 0.67 | 0.60 | 0 | 6 | 5 | 20 | 6 | Chas. S. West. | |
| Clarks Fork. | Bonner. | 2,084 | 1 | 52.4 | ..... | 79 | 23 | 30 | 2 | 38 | 1.39 | ..... | 0.38 | 0 | 10 | 10 | 13 | 8 | Wm. Potter. | |
| Coeur d'Alene. | Kootenai. | 2,157 | 18 | 57.4 | + 2.1 | 90 | 21 | 30 | 1 | 43 | 1.82 | - 0.02 | 0.68 | 0 | 7 | ..... | ..... | ..... | J. H. O'Rourke. | |
| Council. | Adams. | 3,059 | 1 | 56.6 | ..... | 91 | 26 | 29 | 1 | 40 | 1.80 | ..... | 0.72 | 0 | 10 | 10 | 11 | 10 | F. L. Featherston. | |
| Culdesac. | Nez Perce. | 1,520 | 4 | 55.7 | ..... | 86 | 31 | 30 | 1 | 43 | 2.50 | ..... | 0.62 | 0 | 14 | 10 | 17 | 4 | Mrs. B. B. Caldwell. | |
| Deary. | Latah. | 2,854 | 1 | ..... | ..... | ..... | ..... | 27 ⁺ | 1 ⁺ | | | | | | | | | | W. J. Davis. | |
| Dent. | Clearwater. | 1,350 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Emil Schuessler. | |
| Driggs. | Fremont. | 6,097 | 6 | 47.4 | | 77 | 28 | 22 | 2 ⁺ | 40 | 2.53 | | 1.00 | 0.2 | 8 | 2 | 4 | 25 | sw. | Walter H. Durant. |
| Emmett. | Canyon. | 2,350 | 6 | 60.7 | ..... | 98 | 26 | 31 | 2 | 42 | 0.74 | ..... | 0.60 | 0 | 4 | 6 | 19 | 6 | U. S. Forest Service. | |
| Forney. | Lemhi. | 6,000 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | M. B. Merritt. | |
| Garnet. | Elmore. | 2,575 | 13 | 63.0 | + 1.1 | 96 | 25 | 34 | 1 | 45 | | | | 0 | | 23 | 6 | 2 | e. | Asa A. Kenison. |
| Geneva. | Bear Lake. | 6,171 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.51 | ..... | 0.14 | 0 | 7 | 19 | 10 | 2 | F. W. Boehme. | |
| Glenns Ferry. | Elmore. | 2,569 | 4 | 61.4 | | 99 | 26 | 24 | 1 | 53 | 0.25 | | 0.12 | 0 | 4 | 21 | 6 | 4 | nw. | I. E. Perkins. |
| Gooding. | Gooding. | 3,572 | 3 | 58.0 | | 92 | 26 | 19 | 1 | 46 | 0.15 | | 0.05 | 0 | 4 | 10 | 11 | 10 | w. | John Krall, Jr. |
| Grace. | Bannock. | 5,400 | 6 | 55.2 | | 92 | 31 | 22 | 2 ⁺ | 56 | 0.79 | | 0.30 | T. | 4 | 11 | 8 | 12 | n. | E. W. Joy. |
| Grand Forks. | Shoshone. | 3,000 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | John E. Keach. | |
| Grandview. | Owyhee. | 2,300 | 3 | 61.0 | | 94 | 26 | 30 | 3 | 52 | 0.23 | | 0.18 | 0 | 2 | 22 | 7 | 2 | nw. | Harvey E. Hapna. |
| Grimes Pass. | Boise. | 5,200 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.43 | ..... | 0.62 | 0 | 9 | ..... | ..... | ..... | Joseph M. Clarke. | |
| Guffey. | Owyhee. | 2,381 | 4 | 63.2 | ..... | 90 | 6 ⁺ | 34 | 14 | 48 | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 12—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | | |
|----------------------------------|-------------|------------------|--------------------------|-------------------------------------|----------------------------|-----------------|-------|-----------------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|------------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. | |
| Idaho—Continued. | | | | | | | | | | | | | | | | | | | | | |
| Little Camas. | Elmore. | 5,000 | 3 | | | 82 | 26 | 15 | 1 | 50 | 0.59 | | 0.12 | T. | 10 | 4 | 13 | 14 | w. | Solon McCoy. | |
| Loon Creek. | Custer. | 6,000 | 3 | 46.0 | | 75 | 25 | 24 | 2 | 39 | 1.46 | | 0.50 | T. | 17 | 6 | 10 | 15 | sw. | Mrs. Mary Williams. | |
| Mackay. | do. | 5,897 | 5 | 51.0 | | 97 | 26 | 28 | 1 | 48 | 2.23 | | 0.50 | | 9 | 14 | 13 | 4 | nw. | U. S. Forest Service. | |
| Meridian. | Ada. | 2,657 | 2 | 59.2 | | 97 | 26 | 28 | 1 | 48 | 0.65 | | 0.55 | | 0 | 4 | 8 | 19 | n. | A. W. Garrett. | |
| Mesa. | Adams. | 3,275 | 2 | 57.0 ^b | | 91 ^b | 26 | 30 ^b | 1 | 45 ^d | 1.32 | | 0.54 | | 0 | 5 | | | n. | I. S. Carter. | |
| Middle Fork. | Idaho. | 1,397 | 2 | 56.7 ^a | | 87 ^a | 26 | 34 ^a | 1 | 40 ^a | | | 0.55 | | 0 | 13 | | | | Jos. McGhee. | |
| Miller. | Twin Falls. | 4,110 | 9 | 57.0 | + 2.7 | 85 | 27 | 31 | 2 | 41 | 1.29 | + 0.05 | 0.80 | | 0 | 7 | 11 | 17 | 3 | w. | James K. Young. |
| Moore. | Blaine. | 5,700 | 12 | 49.8 ^b | + 0.2 | 77 ^b | 30 | 27 ^b | 3 | 38 ^b | 2.24 | + 0.71 | 1.35 | | 0 | 10 | | | | Chas. B. Lemon. | |
| Moscow. | Latah. | 2,748 | 20 | 52.0 | - 0.7 | 82 | 27 | 29 | 2 | 34 | 2.70 | + 0.18 | 0.83 | | 0 | 2 | 12 | 8 | 11 | se. | University of Idaho. |
| Mountainhome. | Elmore. | 3,150 | 7 | 56.9 | | 95 | 27 | 25 | 3 | 58 | T. | | T. | | 0 | 0 | 14 | 12 | 5 | nw. | Mrs. Ellen Manion. |
| Murtaugh. | Twin Falls. | | 6 | 54.7 | | 87 | 24 | 27 | 1 | 47 | 1.00 | | 1.00 | | 0 | 1 | | | | J. E. Steinhour. | |
| New Meadows. | Adams. | 3,950 | 8 | 50.2 | | 85 | 26 | 24 | 1 | 46 | 1.44 | | 0.57 | | 0 | 11 | 9 | 17 | 5 | n. | Lee Highley. |
| Nezperce. | Lewis. | 3,082 | 3 | 51.4 | | 88 | 26 | 28 | 1 | 43 | 2.28 | | 0.80 | | 0 | 9 | 18 | 4 | 9 | | P. Mitchell. |
| Oakley. | Cassia. | 4,700 | 19 | 56.2 | + 2.6 | 86 | 26 | 25 | 2 | 47 | 1.36 | + 0.18 | 0.65 | | 0 | 6 | 5 | 21 | 5 | | John Adams. |
| O'Hara Bar. | Idaho. | 1,557 | 2 | | | | | | | | | | | | | | | | | J. D. Agnew. | |
| Orofino. | Clearwater. | 1,027 | 8 | 56.4 | + 1.6 | 89 | 26 | 32 | 1 | 50 | 2.17 | | 0.38 | | 0 | 15 | 4 | 23 | 4 | | Geo. Altmeyer. |
| Paris. | Bear Lake. | 5,946 | 18 | 51.0 | + 1.6 | 78 | 30 | 26 | 1 | 43 | | | 0.27 | | 0 | 5 | 26 | 5 | 0 | sw. | John Norton. |
| Payette. | Canyon. | 2,159 | 21 | 58.9 | - 0.3 | 92 | 26 | 29 | 14 | 51 | 0.54 | - 0.63 | 0.27 | | 0 | 5 | 15 | 5 | 11 | n. | E. F. Allen. |
| Pierson. | Custer. | 7,000 | 4 | 45.0 | | 76 | 26 | 11 | 1 | 46 | 0.75 | | 0.31 | | 1.0 | 3 | 11 | 5 | 15 | s. | David P. Clarke. |
| Pleasant Valley. | Ada. | 3,000 | 5 | 57.1 | | 95 | 26 | 23 | 14 | 47 | 0.44 | | 0.23 | | 0 | 5 | 19 | 6 | 6 | nw. | C. E. Friedrich. |
| Pocatello. | Bannock. | 4,483 | 13 | 56.6 | + 1.1 | 85 | 26 | 32 | 2 | 36 | 2.44 | + 0.24 | 1.68 | | T. | 9 | 4 | 18 | 9 | sw. | U. S. Weather Bureau. |
| Pocatello Nursery. | do. | 5,396 | 6 | | | | | | | | | | | | | | | | | Mrs. Fannie E. Say. | |
| Poplar. | Bonneville. | 5,500 | 3 | 52.9 | | 81 | 26 | 21 | 2 | 40 | 2.59 | | 0.58 | | 0 | 7 | 5 | 22 | 4 | sw. | C. M. Lawrence. |
| Porthill. | Bonner. | 1,665 | 23 | 53.0 | - 0.8 | 78 | 24 | 24 | 1 | 41 | 1.95 | - 0.05 | 0.61 | | 0 | 7 | 17 | 4 | 10 | sw. | H. A. French. |
| Priest River Experiment Station: | | | | | | | | | | | | | | | | | | | | | |
| No. 1. | do. | 2,500 | 1 | 51.2 | | 81 | 8 | 25 | 1 | 36 | 2.23 | | 0.75 | | 0 | 16 | 19 | 4 | 8 | se. | U. S. Forest Service. |
| No. 2. | do. | 2,500 | 1 | 51.8 | | 84 | 31 | 25 | 1 | 41 | 2.11 | | 0.76 | | 0 | 14 | 19 | 4 | 8 | sw. | Do. |
| No. 3. | do. | | 1 | 49.4 | | 83 | 31 | 22 | 4 | 48 | 2.24 | | 0.80 | | 0 | 13 | 19 | 4 | 8 | sw. | Do. |
| Pyle Creek. | Boise. | 3,100 | 3 | | | 87 | 26 | 19 | 1 | 48 | 1.48 | | 0.81 | | 0 | 12 | 19 | 7 | 5 | s. | P. V. Smith. |
| Richfield. | Lincoln. | 4,306 | 3 | 54.8 | | 85 | 26 | 16 | 2 | 50 ^a | 1.25 | | 0.25 | | 0 | 2 | 13 | 16 | 2 | nw. | Idaho Irrigation Co. |
| Rogerson. | Twin Falls. | | | 53.4 ^a | | 85 | 26 | 16 | 2 | 50 ^a | 1.25 | | 0.40 | | 0 | 8 | | | | J. S. Russell. | |
| Roseberry. | Boise. | 4,872 | 3 | | | | | | | | | | | | | | | | | Rev. T. P. Graham. | |
| Roseworth. | Twin Falls. | 4,650 | 2 | | | | | | | | | | 0.16 | | 0 | 8 | 0 | 27 | 4 | sw. | D. B. Hartwell. |
| Rupert. | Minidoka. | 4,204 | 6 | 56.1 | | 85 | 26 | 28 | 1 | 46 | 1.26 | | 0.89 | | 0 | 8 | 27 | 2 | 2 | sw. | Will Parry. |
| St. Anthony. | Fremont. | 4,968 | | | | | | | | | | | | | | | | | | Heber C. Sharp. | |
| St. Maries. | Kootenai. | 2,263 | 15 | | | | | | | | | | | | | | | | | J. S. Turnbull. | |
| St. Michael's Priory. | Idaho. | 3,811 | | 50.0 | | 79 | 26 | 28 | 1 | 26 | 2.11 | | 0.28 | | 0.9 | 13 | 6 | 10 | 15 | ne. | Rev. Father Berthold. |
| Salmon. | Lemhi. | 4,040 | 7 | 56.0 | | 91 | 26 | 16 | 1 | 52 | 0.89 | | 0.29 | | 0 | 12 | 17 | 10 | 4 | w. | E. K. Abbott. |
| Sandpoint. | Bonner. | 2,086 | 2 | 52.2 | | 84 | 31 | 24 | 1 | 41 | 3.02 | | 0.70 | | 0 | 10 | 14 | 10 | 7 | s. | S. M. Moore. |
| Sheephill. | Boise. | 5,000 | 3 | | | | | | | | | | 0.52 | | 0 | 9 | | | | C. M. Gardner. | |
| Shoshone. | Lincoln. | 3,968 | 5 | 57.4 ^a | | 91 ^a | 26 | 21 ^a | 1 | 40 ^a | 0.69 | | 0.16 | | 0 | 4 | | | | w. | Zell Truman. |
| Silver City. | Owyhee. | 6,220 | 5 | | | | | | | | | | 0.56 | | 0 | 12 | 6 | 19 | 6 | | Russell Stoddard. |
| Soldier Creek. | Blaine. | 5,755 | 2 | 50.1 | | 81 | 26 | 25 | 1 | 38 | 0.92 | | 0.36 | | T. | 7 | 13 | 6 | 12 | nw. | J. E. Minear. |
| Spirit Lake. | Kootenai. | 2,560 | 2 | | | | | | | | | | 1.07 | | 0 | 8 | 11 | 15 | 5 | sw. | M. C. Krause. |
| Springfield. | Bingham. | 4,429 | 4 | 55.6 | | 89 | 26 | 25 | 2 | 48 | 1.89 | | 0.55 | | 0 | 4 | 14 | 13 | 4 | nw. | Mrs. W. A. Edwards. |
| Spring Hill. | Ada. | 3,607 | | 58.4 | | 91 | 26 | 30 | 14 | 37 | 0.81 | | 1.05 | | 0 | 8 | 16 | 4 | 11 | sw. | Ray G. Lyons. |
| Sugar. | Fremont. | 4,892 | 5 | 53.0 | | 83 | 26 | 24 | 3 | 43 | 2.91 | | T. | | 0 | 0 | | | | sw. | Utah-Idaho Sugar Co. |
| Sunnyside. | Elmore. | 3,500 | 3 | 63.0 | | 89 | 31 | 25 | 2 | 53 | T. | | | | 0 | 0 | | | | nw. | Col. M. W. Wood. |
| Tripod Mountain. | Boise. | 4,300 | 3 | | | | | | | | | | 0.97 | | 0 | 3 | 20 | 6 | 5 | | Mrs. Verna Paddock. |
| Twin Falls. | Twin Falls. | 3,825 | 7 | 58.0 | | 88 | 26 | 30 | 1 | 42 | 0.75 | | 0.20 | | 0 | 9 | 7 | 21 | 3 | w. | J. A. Waters. |
| Vernon. | Fremont. | 5,050 | 14 | 52.2 | + 3.2 | 82 | 26 | 20 | 3 | 42 | 2.39 | + 0.46 | 0.87 | | 0 | 9 | 14 | 11 | 6 | sw. | A. M. Slatery. |
| Wallace. | Shoshone. | 2,728 | 5 | 51.8 | | 85 | 26 | 26 | 1 | 42 | 2.91 | | 0.66 | | 0 | 13 | | | | w. | U. S. Weather Bureau. |
| Weiser. | Washington. | 2,114 | 1 | 61.0 | | 98 | 26 | 28 | 1 | 54 | 1.37 | | 0.37 | | 0 | 13 | 3 | 16 | 12 | se. | J. W. Lapish. |
| Wendell. | Gooding. | 3,400 | 4 | 58.9 | | 89 | 26 | 21 | 1 | 43 | 0.46 | | 0.12 | | 0 | 5 | 20 | 10 | 1 | | Chas. L. Dingler. |
| Weston. | Franklin. | 4,460 | 14 | 55.4 | + 3.0 | 87 | 26 | 21 | 3 | 46 | 1.16 | - 1.05 | 0.56 | | T. | 6 | 16 | 3 | 12 | s. | Wm. T. Chatterton. |
| Washington. | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen. | Chehalis. | 162 | 22 | 53.4 | - 0.8 | 82 | 6 | 34 | 5 | 42 | 3.69 | - 0.77 | 0.98 | | 0 | 16 | 14 | 6 | 11 | nw. | H. A. Benham. |
| Anacortes. | Skagit. | 60 | 19 | 53.8 | | 71 | 19 | 37 | 5 | 26 | 1.93 | - 0.04 | 0.50 | | 0 | 13 | 8 | 18 | 5 | | Douglas Almond. |
| Anatone. | Asotin. | 2,800 | | 48.2 | | 77 | 31 | 27 | 2 | 39 | 2.89 | | 0.80 | | T. | 11 | 11 | 11 | 9 | sw. | W. A. Hamilton. |
| Baker. | Skagit. | 390 | 7 | 53.3 | | 81 | 31 | 34 | 1 | 35 | 2.80 | | 0.40 | | 0 | 12 | 10 | 5 | 16 | | Robt. M. White. |
| Bellingham. | Whatcom. | 60 | 18 | 54.2 ^a | + 0.5 | 78 | 31 | 36 ^a | 4 | 34 ^a | 1.94 | - 0.34 | 0.42 | | 0 | 8 | 17 | 6 | 8 | | Sanford B. Mayhew. |
| Bellingham (near). | do. | 107 | 2 | | | | | | | | | | | | | | | | | U. S. Bureau Plant Industry. | |
| Blaine. | do. | 57 | 16 | 52.2 | - 0.1 | 71 | 31 | 32 | 6 | 32 | 3.12 | + 0.33 | 0.67 | | 0 | 13 | 12 | 12 | 7 | sw. | John W. Sheets. |
| Blewett. | Chelan. | 2,200 | 4 | | | | | | | | | | | | | | | | | John Burmeister. | |
| Bremerton. | Kitsap. | 40 | 15 | | | | | | | | | | 1.28 | | 0 | 6 | | | | | U. S. Navy Yard. |
| Brewster. | Okanogan. | 1,620 | 3 | 56.5 | | 85 | 31 | 32 | 4 | 35 | 2.71 | | 1.08 | | 0 | 8 | 12 | 15 | 4 | sw. | Mrs. H. F. Bertram. |
| Buckley. | Pierce. | 685 | | 52.6 | | 77 | 31 | 34 | 5 | 40 | 2.89 | | 0.53 | | 0 | 11 | 5 | 10 | 16 | sw. | Geo. C. Sears. |
| Bumping Lake. | Yakima. | 3,400 | 2 | 45.0 | | 85 | 31 | 27 | 1 | 51 | 1.53 | | 0.33 | | 0 | 8 | 10 | 4 | 17 | | U. S. Reclamation Service. |
| Cedar River. | King. | 535 | 6 | | | | | | | | | | 0.84 | | 0 | 15 | 9 | 3 | 19 | | Geo. Landsburg. |
| Centralia. | Lewis. | 212 | 20 | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 12—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | Sky. | | | | Observers. |
|--------------------|------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------------------|-----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | |
| Washington—Contd. | | | | | | | | | | | | | | | | | | | |
| Gerome. | Stevens. | 1,200 | 1 | 55.8 | | 89 | 31 | 26 | 1 | 44 | 1.38 | | 0.48 | 0 | 10 | 6 | 23 | 2 | J. H. C. Scurlock. |
| Goat Lake. | Snohomish. | 2,900 | 4 | | | | | | | | 3.89 | | 0.57 | 0 | 15 | | | | C. M. Machintosh. |
| Gold Basin. | do. | 1,360 | 2 | 49.7 | | 79 | 31 | 32 | 6 | 42 | 5.08 | | 0.74 | 0 | 16 | 18 | 0 | 13 | U. S. Forest Service. |
| Gold Creek. | Yakima. | 2,600 | 4 | | | | | | | | 1.40 | | 0.60 | 0 | 4 | 9 | 12 | 10 | J. W. Anderson. |
| Gold Hill. | do. | 4,454 | | | | | | | | | | | | | | | | | U. S. Reclamation Service. |
| Goldendale. | Klickitat. | 1,600 | 7 | 55.4 | | 90 | 31 | 29 | 2 | 44 | 1.21 | + 0.13 | 0.70 | 0 | 4 | 7 | 21 | 3 | Klickitat Co. Abstract Co. |
| Granite Falls. | Snohomish. | 397 | 10 | | | | | | | | 3.34 | - 1.30 | 0.68 | 0 | 15 | 9 | 7 | 15 | C. H. Cleaver. |
| Grays River. | Wahkiakum. | | | | | | | | | | | | | | | | | | A. B. Martin. |
| Guler. | Klickitat. | | | | | | | | | | | | | | | | | | Frank Kuehnel. |
| Hanford. | Benton. | 385 | | 61.4 | | 98 | 31 | 30 | 2 | 51 | 0.61 | | 0.19 | 0 | 6 | 6 | 21 | 4 | Frances Lee Bash. |
| Hatton. | Adams. | 1,100 | 8 | 57.2 | | 92 | 31 | 25 | 1 | 48 | 0.91 | | 0.42 | 0 | 6 | 12 | 3 | 16 | Dr. A. V. Marion. |
| Huntsville. | Columbia. | 1,400 | 5 | | | | | | | | 0.95 | | 0.60 | 0 | 4 | | | | Mrs. S. J. Hill. |
| Irene Mountain. | Okanogan. | 2,700 | 4 | | | | | | | | 2.50 | | 0.75 | 0 | 10 | 9 | 8 | 14 | Mrs. Theo. Wheeler. |
| Kennewick. | Benton. | 368 | 18 | 61.6 | - 0.9 | 95 | 31 | 38 | 5 | 47 | 0.38 | - 0.13 | 0.11 | 0 | 5 | | | | R. E. Reed. |
| Kent. | King. | 53 | | 54.1 | | 75 | 31 | 31 | 1 | 40 | 2.29 | | 0.74 | 0 | 9 | 11 | 6 | 14 | A. O. Jeffries. |
| Kettle Falls. | Stevens. | 1,265 | 4 | 55.6 | | 87 | 31 | 27 | 1 | 43 | 2.10 | | 0.53 | 0 | 8 | | | | H. H. Cole. |
| Kiona. | Benton. | 430 | 7 | 59.2 | | 90 | 21 | 34 | 2 | 45 | 0.52 | | 0.18 | 0 | 5 | 17 | 9 | 5 | Dr. F. S. Hedger. |
| Kosmos. | Lewis. | 775 | 7 | 53.4 | | 86 | 31 | 32 | 6 | 49 | 2.88 | | 0.43 | 0 | 15 | 12 | 19 | 0 | J. A. Ulsh. |
| La Center. | Clark. | 250 | 16 | 52.7 | - 1.7 | 81 | 31 | 32 | 1 | 39 | 2.29 | - 1.01 | 0.47 | 0 | 10 | 14 | 12 | 5 | Joseph Brothers. |
| La Crosse. | Whitman. | 1,400 | 4 | 55.8 | | 86 | 31 | 30 | 2 | 48 | 0.79 | | 0.23 | 0 | 5 | 12 | 12 | 7 | M. E. Schrech. |
| Lake Clealum. | Kittitas. | 2,171 | 4 | 49.9 | | 86 | 31 | 31 | 6 | 47 | 1.45 | | 0.35 | 0 | 14 | 4 | 11 | 16 | U. S. Reclamation Service. |
| Lake Kachess. | do. | 2,235 | 5 | 48.6 | | 83 | 31 | 30 | 6 | 44 | 1.48 | | 0.25 | 0 | 13 | 12 | 1 | 18 | Do. |
| Lake Koechelus. | do. | 2,479 | 5 | | | | | | | | 2.72 | | 0.44 | 0 | 14 | 12 | 11 | 8 | Do. |
| Lakeside. | Chelan. | 1,116 | 22 | 58.4 | - 0.1 | 88 | 31 | 36 | 4 | 35 | 1.87 | + 0.82 | 0.74 | 0 | 7 | 9 | 18 | 4 | W. H. Van Meter. |
| Laurel. | Klickitat. | 1,900 | 4 | | | | | | | | 1.51 | | 0.40 | 0 | 5 | 16 | 11 | 4 | Mrs. Minnie E. Strout. |
| Laurier. | Ferry. | 1,644 | 3 | 54.2 | | 85 | 31 | 24 | 1 | 45 | 2.66 | | 0.60 | 0 | 16 | 6 | 5 | 20 | Mrs. J. S. Myers. |
| Lone Tree. | Chelan. | 1,400 | 4 | 52.8 | | 68 | 6 | 42 | 5 | 19 | 3.26 | | 0.60 | 0 | 14 | 4 | 21 | 6 | U. S. Engineer Corps. |
| Longmires Springs. | Pierce. | 2,800 | 2 | | | | | | | | 0.29 | | 0.09 | 0 | 8 | 10 | 8 | 13 | National Park Ranger. |
| Lost Creek. | Okanogan. | 3,125 | 4 | | | | | | | | 0.73 | | 0.25 | 0 | 6 | 18 | 8 | 5 | P. H. Leese. |
| McConihe. | Grant. | 1,072 | 2 | 58.4 | | 93 | 31 | 29 | 2 | 41 | 1.50 | | 0.60 | 0 | 7 | 9 | 19 | 3 | L. F. McConihe. |
| McCumbers Ranch. | Yakima. | 2,182 | 3 | | | | | | | | | | | | | | | | Mrs. Mary McCumber. |
| Milton Ranch. | Ferry. | | | 50.4 | | 80 | 31 | 23 | 1 | 41 | | | | | | | | | Knute Milton. |
| Moss Lake. | Grant. | 1,070 | 2 | | | | | | | | 0.88 | | 0.30 | 0 | 4 | 28 | 0 | 3 | H. M. Flemming. |
| Mottinger. | Benton. | 307 | 13 | 60.8 | - 2.0 | 89 | 20 | 36 | 1 | 37 | 0.78 | - 0.18 | 0.20 | 0 | 7 | 23 | 4 | 4 | G. H. Mottinger. |
| Mount Pleasant. | Challam. | 500 | 2 | 49.0 | | 72 | 31 | 33 | 4 | 29 | 1.45 | | 0.48 | 0 | 7 | 13 | 9 | 9 | W. M. Dorr. |
| Moxee. | Yakima. | 1,000 | 21 | 58.0 | - 0.1 | 91 | 31 | 26 | 1 | 46 | 1.15 | + 0.40 | 0.45 | 0 | 9 | 12 | 14 | 5 | H. B. Scudder. |
| Newport. | Stevens. | 2,400 | 3 | 51.2 | | 85 | 31 | 22 | 1 | 46 | 1.52 | | 0.60 | 0 | 12 | 5 | 19 | 7 | Chas. M. Talmadge. |
| Nighthawk. | Okanogan. | 3,050 | 4 | | | | | | | | | | | | | | | | Steve Nagy. |
| North Head. | Pacific. | 211 | 11 | 51.0 | - 0.2 | 60 | 6 | 42 | 1 | 11 | 2.85 | + 0.46 | 1.09 | 0 | 12 | 5 | 12 | 14 | U. S. Weather Bureau. |
| North Sundale. | Klickitat. | | 4 | 62.9 | | 90 | 31 | 38 | 1 | 40 | 1.66 | | 0.74 | 0 | 8 | | | | Ruth J. Shepard. |
| Northport. | Stevens. | 1,350 | 14 | 56.2 | + 1.8 | 88 | 31 | 29 | 1 | 42 | 1.79 | - 0.15 | 0.57 | 0 | 13 | 16 | 14 | 1 | W. F. Case. |
| North Yakima. | Yakima. | 1,070 | 4 | 58.9 | | 86 | 31 | 32 | 2 | 39 | 0.67 | | 0.29 | 0 | 6 | 19 | 4 | 8 | Albert Bender. |
| Odessa. | Lincoln. | 1,540 | 10 | 55.5 | | 88 | 31 | 26 | 1 | 43 | 1.26 | | 0.33 | 0 | 6 | 11 | 19 | 1 | H. W. Rieke. |
| Olga. | San Juan. | 50 | 23 | 52.6 | - 0.2 | 68 | 31 | 40 | 4 | 20 | 1.75 | - 0.31 | 0.50 | 0 | 9 | 9 | 9 | 13 | Cecil S. Willis. |
| Olympia. | Thurston. | 45 | 35 | 54.0 | - 0.6 | 80 | 31 | 31 | 5 | 48 | 2.89 | + 0.26 | 0.83 | 0 | 12 | 12 | 6 | 13 | M. O'Connor. |
| Onak. | Okanogan. | 850 | 4 | 57.8 | | 92 | 31 | 24 | 1 | 48 | 2.12 | | 0.53 | 0 | 6 | 18 | 3 | 10 | Saint John Umbrite. |
| Oroville. | do. | 922 | 3 | 57.2 | | 86 | 31 | 30 | 1 | 41 | 2.65 | | 1.40 | 0 | 7 | 15 | 8 | 8 | M. C. Jackman. |
| Peola. | Garfield. | 5,000 | 4 | | | | | | | | 2.29 | | 0.58 | 0 | 17 | 12 | 12 | 7 | Samuel Gruel, sr. |
| Pomeroy. | do. | 1,500 | 21 | 56.0 | - 0.7 | 85 | 8 | 32 | 5 | 42 | 2.16 | + 0.36 | 0.75 | 0 | 9 | 6 | 20 | 5 | Peter McClung. |
| Port Crescent. | Challam. | 259 | 18 | 48.2 | - 0.9 | 66 | 31 | 30 | 5 | 27 | 1.32 | - 0.99 | 0.47 | 0 | 9 | 4 | 13 | 14 | U. S. Weather Bureau. |
| Port Townsend. | Jefferson. | 80 | 23 | 53.2 | - 0.2 | 70 | 31 | 40 | 7 | 21 | 2.13 | + 0.25 | 0.52 | 0 | 10 | 12 | 6 | 13 | Frank Plummer. |
| Prosser. | Benton. | 661 | | 59.4 | | 93 | 31 | 29 | 1 | 44 | 0.95 | | 0.28 | 0 | 7 | 15 | 15 | 1 | E. L. Capps. |
| Pullman. | Whitman. | 2,550 | 21 | 52.3 | - 0.6 | 82 | 31 | 31 | 1 | 32 | 1.60 | - 0.24 | 0.55 | 0 | 10 | 10 | 13 | 8 | State Agricultural College. |
| Queets River. | Jefferson. | 16 | 2 | 51.4 | | 69 | 6 | 35 | 5 | 30 | 4.70 | | 1.02 | 0 | 17 | 10 | 5 | 16 | C. A. Bullard. |
| Quinalt. | Chelan. | 300 | 6 | 52.7 | | 85 | 6 | 32 | 5 | 45 | 8.03 | | 1.50 | 0 | 14 | 11 | 15 | 5 | A. V. Hingley. |
| Reardan. | Lincoln. | | | 54.2 | + 0.6 | 80 | 25 | 28 | 1 | 33 | 0.80 | - 0.90 | 0.35 | 0 | 8 | 10 | 5 | 16 | Chas. Shoemaker. |
| Republic. | Ferry. | 2,628 | 13 | 50.8 | - 0.9 | 84 | 31 | 21 | 1 | 46 | 1.99 | - 0.18 | 0.60 | 0 | 12 | 11 | 2 | 18 | Geo. B. Stocking. |
| Rex Creek. | Chelan. | 1,135 | 6 | 55.3 | | 83 | 31 | 38 | 2 | 34 | 0.63 | | 0.29 | 0 | 5 | 10 | 7 | 8 | James W. Nicol. |
| Ritzville. | Adams. | 1,825 | 14 | | | | | | | | 0.46 | | 0.19 | 0 | 5 | | | | Agent, N. P. R. R. |
| Robertsville. | Klickitat. | | | | | | | | | | | | | | | | | | R. R. Couger. |
| Rock Lake. | Whitman. | 1,910 | 7 | | | | | | | | | | | | | | | | P. M. Ramsey. |
| Rosalia. | do. | 2,425 | 21 | 53.7 | + 0.9 | 84 | 31 | 29 | 1 | 34 | 1.68 | - 0.40 | 0.40 | 0 | 12 | 10 | 16 | 5 | Hans Mumm. |
| Russells Ranch. | Yakima. | 2,870 | 4 | | | | | | | | 1.06 | | 0.32 | 0 | 10 | 16 | 11 | 4 | Mrs. Adella Russell. |
| Seattle. | King. | 208 | 22 | 54.1 | - 0.9 | 71 | 31 | 42 | 1 | 25 | 1.37 | - 0.95 | 0.65 | 0 | 12 | 5 | 9 | 17 | U. S. Weather Bureau. |
| Sedro Woolley. | Skagit. | 38 | 16 | 53.2 | - 1.7 | 77 | 31 | 33 | 5 | 36 | 2.01 | - 1.34 | 0.46 | 0 | 14 | 10 | 10 | 11 | Mrs. H. L. Devin. |
| Sixprong. | Klickitat. | 1,240 | 6 | | | | | | | | | | | | | | | | C. E. Comstock. |
| Skagit Power Dam. | Whatcom. | 510 | 3 | 54.0 | | 85 | 31 | 33 | 1 | 42 | 2.62 | | 0.40 | 0 | 14 | 15 | 3 | 13 | Skagit Power Co. |
| Snohomish. | Snohomish. | 55 | 19 | 54.2 | - 0.5 | 76 | 21 | 32 | 4 | 39 | 3.22 | - 0.04 | 0.70 | 0 | 11 | 21 | 1 | 9 | James Byling. |
| Snoqualmie Falls. | King. | 667 | 14 | 55.2 | + 0.2 | 81 | 31 | 37 | 6 | 42 | 3.29 | - 1.19 | 0.60 | 0 | 17 | 13 | 0 | 18 | O. N. Wiswell. |
| Snoqualmie Pass. | do. | 3,000 | 4 | | | | | | | | 1.27 | | 0.39 | 0 | 9 | | | | R. E. Chadwick. |
| Snyders ranch. | Okanogan. | 2,200 | 4 | 50.4 | | 83 | 30 | 23 | 2 | 50 | 1.70 | | 0.46 | 0 | 6 | 18 | 7 | 6 | Geo. M. Snyder. |
| South Bend. | Pacific. | 140 | 18 | 50.2 | - 2.9 | 78 | 31 | 34 | 4 | | | | | | | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 12—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Prevailing wind direction. | Observers. | |
|-------------------------|-----------------|------------------|--------------------------|-------------------------------------|----------------------------|-----------------|-----------------|-----------------|----------------|---------------------------|-------------------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|----------------------------|------------|------------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | | Number of cloudy days. |
| Washington—Contd. | | | | | | | | | | | | | | | | | | | | |
| Winthrop..... | Okanogan..... | 1,765 | 2 | 54.2 | | 89 | 31 | 29 | 4 | 45 | 1.14 | | 0.60 | 0 | 8 | 19 | 5 | 7 | | Methow Trading Co. |
| Yacolt..... | Clarke..... | 850 | | | | | | | | | 3.06 | | 0.96 | 0 | 8 | 18 | 4 | 9 | w. | C. R. Miller. |
| Yale..... | Cowlitz..... | 375 | 6 | 54.6 | | 90 | 31 | 33 | 4 | 40 | 2.99 | | 0.80 | 0 | 12 | 10 | 6 | 15 | sw. | J. A. Williams. |
| Zillah..... | Yakima..... | 800 | 1 | | | | | | | | | | | | | | | | | C. G. Ware. |
| Oregon. | | | | | | | | | | | | | | | | | | | | |
| Agency Plains..... | Crook..... | 2,362 | | 49.8 | | 82 | 31 | 21 | 1 | 37 | 1.45 | | 0.48 | 0 | 7 | 18 | 4 | 9 | nw. | W. S. Williams. |
| Albany..... | Linn..... | 212 | 31 | 56.0 | - 1.3 | 86 | 31 | 30 | 1 | 36 | 2.12 | - 0.28 | 0.42 | 0 | 9 | 10 | 9 | 12 | n. | F. M. French. |
| Alpine..... | Benton..... | 350 | 16 | 55.4 | + 1.2 | 84 | 31 | 35 | 8 | 40 | 1.58 | - 0.37 | 0.45 | 0 | 7 | 16 | 11 | 4 | e. | J. D. McPherson, jr. |
| Ashland..... | Jackson..... | 1,963 | 29 | 56.6 | - 0.3 | 88 | 31 | 31 | 2 | 38 | 1.94 | + 0.27 | 0.83 | 0 | 8 | 9 | 16 | 6 | nw. | G. G. Eubanks. |
| Astoria..... | Clatsop..... | 16 | 52 | 53.2 | - 1.0 | 71 | 31 | 41 | 1 | 24 | 3.17 | - 0.71 | 0.57 | 0 | 15 | 12 | 5 | 14 | nw. | Irving Club. |
| Austin..... | Grant..... | 4,250 | 2 | | | | | | | | | | | | | | | | | U. S. Forest Service. |
| Baker..... | Baker..... | 3,466 | 23 | 52.3 | + 1.6 | 84 | 26 | 27 | 1 | 38 | 1.10 | - 0.63 | 0.22 | 0 | 13 | 7 | 15 | 9 | nw. | U. S. Weather Bureau. |
| Bend..... | Crook..... | 3,629 | 8 | | | | | | | | | | | | | | | | | Bend Bulletin. |
| Black Butte..... | Lane..... | 1,200 | 12 | 51.2 | | 80 | 25 | 32 | 1 | 41 | 3.05 | | 0.85 | 0 | 10 | 19 | 5 | 7 | nw. | William Harris. |
| Blalock..... | Gilliam..... | 237 | 15 | 62.2 ^a | - 0.5 | 91 ^a | 26 | 38 ^a | 2 | 40 ^a | 1.18 ^a | + 0.67 | 0.36 ^a | 0 | 6 ^a | 9 ^a | 12 ^a | 6 ^a | w. | Geo. W. Long. |
| Brogan..... | Malheur..... | 2,600 | 3 | | | | | | | | | | | | | | | | | J. M. Addington. |
| Burns..... | Harney..... | 4,157 | 22 | 54.4 | + 5.6 | 89 | 26 | 26 | 10 | 47 | 0.25 | - 0.54 | 0.12 | 0 | 3 | 14 | 10 | 7 | w. | J. C. Welcome, jr. |
| Cascade Locks..... | Hood River..... | 100 | 23 | 55.9 | - 0.9 | 81 | 31 | 30 | 20 | 39 | 3.30 | - 0.24 | 0.63 | 0 | 12 | 15 | 7 | 9 | w. | Val. W. Tomkins. |
| Cazadero..... | Clackamas..... | 503 | 4 | 55.8 | | 84 | 31 | 36 | 5 | 38 | 3.10 | | 0.42 | 0 | 15 | 10 | 7 | 14 | nw. | Alf Drift. |
| Central Point..... | Jackson..... | | | 57.2 | | 87 | 6 [†] | 27 | 2 | 50 | 1.39 | | 0.53 | 0 | 8 | 14 | 9 | 4 | nw. | A. C. Fiero. |
| Clear Lake..... | Linn..... | 3,030 | | 46.5 | | 81 | 31 | 28 | 5 | 47 | 4.23 | | 0.95 | 0.2 | 16 | 15 | 2 | 14 | s. | R. B. Grondahl. |
| Cliff..... | Lake..... | 4,300 | 6 | 48.9 | | 85 | 26 | 10 | 1 | 53 | 0.85 | | 0.58 | 0 | 3 | 6 | 17 | 8 | nw. | John C. Green. |
| Condon..... | Gilliam..... | 2,884 | 6 | 51.8 | | 80 | 31 | 26 | 1 | 41 | 1.71 | | 0.64 | 0 | 8 | 19 | 9 | 3 | sw. | C. F. Kennedy. |
| Corvallis..... | Benton..... | 266 | 25 | 54.5 | - 0.5 | 87 | 31 | 34 | 1 | 43 | 1.89 | - 0.36 | 0.38 | 0 | 8 | 13 | 9 | 9 | w. | Oregon Agricultural College. |
| Crescent..... | Klamath..... | 4,400 | 1 | 46.6 | | 85 | 31 | 14 | 1 | 55 | 1.23 | | 0.35 | T. | 8 | 15 | 12 | 3 | sw. | C. W. Long. |
| Dayville..... | Grant..... | 2,200 | 19 | | | | | | | | | | | | | | | | | J. Campbell-Martin. |
| Deadwood..... | Lane..... | 350 | 3 | 54.6 | | 88 | 31 | 36 | 1 | 42 | 2.66 | | 0.80 | 0 | 11 | 4 | 21 | 6 | sw. | Jos. Slemmons. |
| Doraville..... | Columbia..... | 600 | 11 | 52.0 | - 0.4 | 77 | 6 [†] | 34 | 1 | 35 | 2.19 | - 0.87 | 0.43 | 0 | 15 | 11 | 8 | 12 | nw. | Jos. Hackenberg. |
| Drain..... | Douglas..... | 300 | 11 | 56.0 | + 0.4 | 86 | 31 | 34 | 2 | 46 | 1.73 | - 0.67 | 0.43 | 0 | 11 | 11 | 10 | 10 | nw. | Ira Wimberly. |
| Echo..... | Umatilla..... | 625 | 9 | 60.5 | | 90 | 26 [†] | 36 | 2 [†] | 39 | 0.55 | | 0.18 | 0 | 4 | 17 | 5 | 9 | w. | R. B. Stanfield. |
| Ella..... | Morrow..... | 830 | 9 | | | | | | | | | | | | | | | | | Carl F. Troedson. |
| Eugene..... | Lane..... | 449 | 23 | 56.4 | + 1.7 | 84 | 31 | 30 | 13 | 40 | 2.80 | + 0.35 | 0.63 | 0 | 9 | 12 | 5 | 14 | w. | Paul G. Bond. |
| Fairview..... | Coos..... | 142 | 17 | | | | | | | | | | | | | | | | | William Bettys. |
| Follyfarm..... | Malheur..... | | | 53.4 | | 91 | 26 | 17 | 14 | 52 | 0.72 | | 0.25 | 0 | 11 | 12 | 10 | 9 | nw. | W. R. Gardner. |
| Forest Grove..... | Washington..... | 220 | 24 | 57.8 | + 2.3 | 88 | 31 | 36 | 13 | 28 | 1.62 | - 0.41 | 0.60 | 0 | 11 | 10 | 7 | 14 | n. | Pacific University. |
| Gardiner..... | Douglas..... | 72 | 24 | | | | | | | | | | | | | | | | | Wm. S. Angus. |
| Glassbuttes..... | Crook..... | 4,200 | | | | | | | | | | | | | | | | | | C. J. Stauffer. |
| Glendale..... | Douglas..... | 144 | 9 | | | | | | | | | | | | | | | | | B. J. Simpson. |
| Glenora..... | Tillamook..... | 575 | 22 | 51.6 | - 0.5 | 88 | 31 | 31 | 4 | 48 | 3.53 | - 2.85 | 0.85 | 0 | 12 | 13 | 5 | 13 | sw. | Mrs. J. A. Reeher. |
| Gold Beach..... | Curry..... | 40 | 12 | | | | | | | | | | | | | | | | | John W. Riley. |
| Grants Pass..... | Josephine..... | 956 | 25 | 57.3 | + 0.6 | 93 | 31 | 27 | 2 | 50 | 1.83 | - 0.02 | 0.46 | 0 | 7 | 15 | 6 | 10 | sw. | John B. Paddock. |
| Grass Valley..... | Sherman..... | 2,381 | 12 | 53.7 | | 84 | 31 | 26 | 1 | 41 | 2.72 | | 0.76 | 0 | 8 | 12 | 10 | 9 | nw. | Agent O.-W. R. & N. Co. |
| Gurdane..... | Umatilla..... | 3,500 | 4 | 51.4 | | 80 | 23 | 30 | 16 | 36 | 0.26 | | 0.07 | 0 | 11 | 14 | 13 | 4 | w. | Miss Belle Ely. |
| Headworks..... | Clackamas..... | 719 | 11 | | | | | | | | 3.91 | - 2.00 | 0.95 | 0 | 14 | 15 | 16 | 0 | sw. | Portland Waterworks. |
| Heppner..... | Morrow..... | 1,950 | 23 | 55.0 | + 0.1 | 83 | 31 | 33 | 1 | 37 | 1.39 | - 0.21 | 0.46 | 0 | 11 | 8 | 22 | 1 | w. | Frank Gilliam. |
| Hermiston..... | Umatilla..... | 451 | 6 | 59.6 | | 92 | 31 | 33 | 2 | 46 | 0.59 | | 0.20 | 0 | 4 | 21 | 7 | 3 | | C. W. Kellogg. |
| Hillcrest Orchard..... | Jackson..... | 1,595 | | | | | | | | | | | | | | | | | | R. H. Parsons. |
| Hollywood Orchard..... | do..... | 1,400 | | | | | | | | | | | | | | | | | | A. C. Allen. |
| Hood River..... | Hood River..... | 300 | 23 | 56.2 | + 0.8 | 92 | 31 | 35 | 5 | 43 | 1.05 | - 0.15 | 0.40 | 0 | 4 | 19 | 6 | 6 | w. | Edward W. Birge. |
| No. 2..... | do..... | 485 | 1 | 57.8 | | 91 | 31 | 39 | 5 | 41 | 1.23 | | 0.29 | 0 | 8 | 19 | 3 | 9 | w. | W. H. Lawrence. |
| No. 3..... | do..... | 620 | 1 | 55.5 | | 90 | 31 | 31 | 5 | 49 | 1.18 | | 0.27 | 0 | 7 | 11 | 19 | 1 | nw. | U. A. Newman. |
| No. 4..... | do..... | 850 | 1 | 54.3 | | 88 | 31 | 32 | 5 | 43 | 1.47 | | 0.34 | 0 | 7 | 23 | 6 | 2 | w. | P. L. Smith. |
| No. 5..... | do..... | | | | | | | | | | | | | | | | | | | J. G. Jarvis. |
| Huntington..... | Baker..... | 2,165 | 12 | 61.4 | + 1.9 | 90 | 31 | 35 | 1 | 44 | 0.10 | - 0.65 | 0.04 | 0 | 4 | 13 | 18 | 0 | w. | Agent O.-W. R. & N. Co. |
| Jacksonville..... | Jackson..... | 1,640 | 25 | 57.3 | + 0.9 | 89 | 31 | 29 | 2 | 40 | 1.70 | - 0.09 | 0.62 | 0 | 7 | 17 | 5 | 9 | | E. Britt. |
| Joseph..... | Wallowa..... | 4,400 | 24 | 50.6 | + 2.0 | 79 | 23 | 27 | 1 | 34 | 2.74 | + 0.74 | 0.50 | 0 | 12 | 14 | 0 | 17 | s. | F. F. McCully. |
| Klamath Agency..... | Klamath..... | 4,169 | 5 | | | | | | | | | | | | | | | | | N. D. Ginsbach. |
| Klamath Falls..... | do..... | 4,100 | 24 | 53.4 | + 0.6 | 83 | 31 | 26 | 1 [†] | 31 | 0.71 | - 0.33 | 0.28 | 0 | 4 | 18 | 8 | 5 | nw. | Augusta J. Hayden. |
| LaGrande..... | Union..... | 2,784 | 25 | | | | | | | | | | | | | | | | | W. A. Worstell. |
| Ladlaw..... | Crook..... | 3,171 | | 51.6 | | 84 | 31 | 21 | 1 | 44 | 1.24 | | 0.44 | 0 | 8 | 14 | 8 | 9 | nw. | J. W. Brown. |
| Lakeview..... | Lake..... | 4,825 | 30 | 50.6 | - 0.1 | 81 | 26 | 21 | 1 | 39 | 0.79 | - 0.73 | 0.35 | 0.5 | 7 | 11 | 7 | 13 | s. | C. C. Gott. |
| La Pine..... | Crook..... | 4,230 | | 48.4 | | 85 | 26 | 15 | 1 | 49 | 1.34 | | 0.28 | 0 | 10 | 20 | 6 | 5 | s. | Albert Larson. |
| McKenzie Bridge..... | Lane..... | 1,400 | 12 | 55.1 | + 1.1 | 93 | 31 | 30 | 5 | 55 | 3.63 | - 0.66 | 0.73 | 0 | 13 | 12 | 1 | 18 | sw. | George Frissell. |
| McMinnville..... | Yamhill..... | 182 | 26 | 55.7 | + 0.5 | 87 | 31 | 35 | 1 [†] | 40 | 1.34 | - 0.71 | 0.50 | 0 | 8 | 14 | 5 | 12 | sw. | M. E. Pettit. |
| Marshfield..... | Coos..... | 34 | 12 | 52.6 | - 0.8 | 74 | 25 | 32 | 2 | 34 | 2.35 | | 0.95 | 0 | 12 | 20 | 2 | 9 | nw. | U. S. Weather Bureau. |
| Meadow Brook Ranch..... | Hood River..... | 850 | 1 | 55.8 | | 88 | 31 | 36 | 5 [†] | 39 | 1.75 | | 0.44 | 0 | 12 | 12 | 13 | 6 | w. | John W. Palmer. |
| Medford..... | Jackson..... | 1,425 | 3 | 58.0 | | 92 | 31 | 28 | 2 | 46 | 1.72 | | 0.59 | 0 | 9 | 18 | 9 | 4 | nw. | U. S. Weather Bureau. |
| Merrill..... | Klamath..... | 4,070 | 8 | | | | | | | | | | | | | | | | | U. S. Reclamation Service. |
| Metolius..... | Crook..... | 2,525 | 3 | 53.2 | | 83 | 23 [†] | 20 | 2 | 44 | 1.35 | | 0.50 | 0 | 5 | 23 | 2 | 6 | sw. | John A. Hoffman. |
| Miramonte Farm..... | Clackamas..... | 195 | 25 | 56.3 | + 0.5 | 84 | 31 | 35 | 1 | 37 | 2.19 | - 0.59 | 0.55 | 0 | 14 | 1 | | | | |

TABLE 1.—Climatological data for May, 1913. District No. 12—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | Sky. | | | | Observers. | | |
|----------------------|----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|------------------------------------------|-----------------------|-------------------------------|------------|------------------------|----------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | | Number of cloudy days. | Prevailing wind direction. |
| Oregon—Continued. | | | | | | | | | | | | | | | | | | | | |
| Rio Hermoso..... | Crook..... | 2,110 | 2 | 54.5 | ..... | 87 | 22 | 25 | 1 | 43 | 1.72 | ..... | 0.52 | 0 | 6 | 16 | 11 | 4 | nw. | C. T. Hubbard. |
| Riverside..... | Malheur..... | 3,000 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mrs. Leah Fairman. |
| Robbville..... | Crook..... | 4,000 | ..... | 52.0 | ..... | 80 | 31 | 12 | 1 | 55 | 1.72 | ..... | 0.60 | 0 | 5 | 25 | 4 | 2 | nw. | Loren B. Robb. |
| Roseburg..... | Douglas..... | 510 | 35 | 57.4 | + 1.4 | 88 | 31 | 33 | 2 | 42 | 1.50 | - 0.55 | 0.50 | 0 | 8 | 10 | 16 | 5 | n. | U. S. Weather Bureau. |
| Salem..... | Marion..... | 120 | 23 | 56.6 | + 0.5 | 85 | 31 | 41 | 5 | 33 | 2.24 | - 0.29 | 0.56 | 0 | 11 | 16 | 1 | 14 | nw. | M. P. Baldwin. |
| Seneca..... | Grant..... | 4,800 | 2 | 48.6 | ..... | 81 | 26 | 20 | 1† | 48 | 0.45 | ..... | 0.10 | 0 | 7 | 9d | 5d | 13d | nw. | E. J. Southworth. |
| Silver Lake..... | Lake..... | 4,700 | 16 | 51.4 | + 2.6 | 85 | 26† | 15 | 3 | 50 | 0.96 | - 0.27 | 0.45 | 0 | 5 | 12 | 17 | 2 | sw. | G. W. Marvin. |
| Siskiyou..... | Jackson..... | 4,115 | 5 | 53.8 | ..... | 81 | 26 | 26 | 1 | 37 | 1.47 | ..... | 0.52 | 2.5 | 6 | 9 | 13 | 9 | e. | U. S. Weather Bureau. |
| Sparta..... | Baker..... | 4,150 | 22 | 53.0 | + 2.2 | 82 | 26 | 24 | 1 | 43 | 1.23 | - 0.67 | 0.60 | 0 | 8 | 13 | 14 | 4 | w. | J. A. Wright. |
| Stafford..... | Clackamas..... | 400 | 17 | 56.0 | + 1.4 | 90 | 29 | 36 | 1 | 48 | 2.40 | - 0.48 | 0.59 | 0 | 14 | ..... | ..... | ..... | sw. | John P. Gage. |
| Table Rock..... | Jackson..... | 1,215 | ..... | 58.1 | ..... | 95 | 31 | 25 | 2 | 53 | 1.35 | ..... | 0.60 | 0 | 7 | 14 | 11 | 6 | nw. | Mrs. J. C. Pendleton. |
| Talent..... | do..... | 1,800 | ..... | 57.6 | ..... | 91 | 31 | 29 | 2 | 44 | 1.92 | ..... | 0.68 | 0 | 8 | 18 | 4 | 9 | nw. | T. F. Smith. |
| The Dalles..... | Wasco..... | 112 | 39 | 61.0 | + 1.1 | 90 | 31 | 38 | 1 | 39 | 0.96 | + 0.39 | 0.36 | 0 | 11 | 16 | 4 | 11 | w. | Judd S. Fish. |
| Tillamook..... | Tillamook..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Will Spaulding. |
| Toledo..... | Lincoln..... | 75 | 23 | 50.8 | - 2.6 | 78 | 31 | 33 | 1 | 32 | 2.55 | - 1.63 | 0.80 | 0 | 9 | 18 | 13 | 0 | nw. | C. B. Crosno. |
| Umatilla..... | Umatilla..... | 340 | 25 | 61.7 | + 0.8 | 97 | 31 | 36 | 2 | 50 | 0.80 | + 0.10 | 0.26 | 0 | 6 | 10 | 1 | 20 | e. | Mrs. H. T. Duncan. |
| Union..... | Union..... | 2,787 | 2 | 53.6 | ..... | 87 | 26 | 29 | 2 | 44 | 1.92 | ..... | 0.44 | 0 | 11 | 17 | 5 | 9 | nw. | Robt. Withycombe. |
| Vale..... | Malheur..... | 2,242 | 21 | 60.0 | + 4.2 | 95 | 25 | 32 | 2† | 48 | 0.76 | - 0.37 | 0.41 | 0 | 9 | 21 | 10 | 0 | ne. | H. P. Osborne. |
| Van..... | Harney..... | 3,506 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | George Howe. |
| Vida..... | Lane..... | 1,100 | 2 | 54.4 | ..... | 88 | 6 | 34 | 1† | 42 | 3.55 | ..... | 0.80 | 0 | 13 | 13 | 4 | 14 | w. | W. H. Pendell. |
| Waldo..... | Josephine..... | 1,900 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | M. M. Lewis. |
| Wallace Orchard..... | Polk..... | 170 | 4 | 54.8 | ..... | 84 | 31 | 35 | 1 | 40 | 2.37 | ..... | 0.66 | 0 | 12 | 6 | 15 | 10 | ..... | Charles A. Park. |
| Wallowa..... | Wallowa..... | 2,935 | 10 | 51.6 | + 1.2 | 83 | 31 | 26 | 1 | 43 | 2.47 | + 0.69 | 0.54 | 0 | 14 | 5 | 11 | 15 | nw. | L. J. Coverstone. |
| Wamie..... | Wasco..... | 1,500 | 12 | 54.2 | ..... | 85 | 31 | 24 | 2 | 43 | 1.77 | ..... | 0.54 | 0 | 6 | 9 | 11 | 11 | w. | A. J. Swift. |
| Warm Springs..... | Crook..... | 1,500 | 11 | 56.8 | + 1.7 | 87 | 31 | 26 | 1 | 40 | 1.24 | + 0.44 | 0.50 | 0 | 8 | 8 | 18 | 5 | w. | George W. Robbins. |
| Wasco..... | Sherman..... | 1,263 | ..... | 55.6 | ..... | 87 | 31 | 35 | 1† | 37 | 2.00 | ..... | 0.74 | 0 | 9 | 13 | 12 | 6 | w. | J. R. Howell. |
| Weston..... | Umatilla..... | 1,800 | 21 | 54.8 | - 0.4 | 85 | 25 | 30 | 1 | 35 | 2.13 | - 0.21 | 0.63 | 0 | 8 | 10 | 3 | 18 | s. | M. A. Baker. |
| Whitaker..... | Crook..... | 4,250 | ..... | 48.0 | ..... | 85 | 26 | 10 | 1 | 55 | 0.65 | ..... | 0.19 | 0 | 7 | 14 | 13 | 4 | w. | Frank Percivall. |
| Williams..... | Josephine..... | 1,368 | 21 | 56.7 | + 1.0 | 91 | 31 | 31c | 16 | 49e | 1.26 | - 0.34 | 0.35 | 0 | 7 | 17 | 7 | 7 | n. | Francis J. LeRoy. |
| Yonna..... | Klamath..... | 4,146 | 6 | 50.4 | ..... | 85 | 26 | 18 | 1 | 51 | 0.44 | ..... | 0.16 | 0 | 5 | 5 | 18 | 8 | w. | Ward Rueck. |

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—Daily precipitation for May, 1913. District No. 12, Columbia Valley.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | | |
|-------------------------|---------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
| Montana. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anaconda. | Missoula. | T. | | | .15 | .08 | | | | | T. | .02 | * | .14 | .24 | T. | | .06 | * | .56 | .12 | .03 | | | T. | | | | | .06 | | | | 1.75 | |
| Butte. | do. | T. | | .15 | | | T. | | .32 | .10 | .15 | T. | .30 | .05 | | | | .02 | | .30 | T. | | | | | T. | | | .18 | T. | | | | 1.57 | |
| Columbia Falls. | Flathead. | | | .11 | | | | | .06 | .04 | .09 | .18 | | | | | | .18 | .27 | .03 | | | | | | | | .36 | .03 | | | | | 1.35 | |
| Como. | Bitter Root. | .01 | | .19 | .01 | | | | | .04 | .10 | | | .34 | | | | .12 | | .15 | .21 | | | | | | | .10 | .02 | | | | | 1.29 | |
| Dayton. | Flathead. | | | | | .30 | | | | | | .15 | | | | | | .20 | .30 | | .10 | .20 | | | | | | | .15 | | | | | 1.40 | |
| Deer Lodge. | Missoula. | | | .20 | .18 | | | | | | | | | | | | | | .10 | .30 | .15 | | | | | | | .25 | | | | | | 1.18 | |
| East Anaconda. | do. | T. | T. | T. | * | .24 | T. | T. | .02 | .03 | .04 | | * | .31 | | | T. | | * | .56 | .10 | .04 | | T. | | | .09 | .04 | .01 | | | | | 1.48 | |
| Fortine. | Kootenai. | | | T. | .08 | T. | | | T. | .03 | .05 | T. | .10 | .07 | T. | .10 | .60 | .03 | T. | T. | T. | .05 | | | T. | | | .13 | .36 | T. | | | | 1.60 | |
| Hamilton. | Bitter Root. | T. | | T. | .19 | | | T. | T. | .02 | T. | | T. | .45 | | .01 | .05 | T. | .27 | .01 | | | | .03 | | | | .06 | T. | .03 | | | | 1.12 | |
| Hat Creek. | Missoula. | T. | T. | T. | .60 | .07 | | | .09 | .22 | .30 | .06 | .05 | .28 | .03 | .16 | .17 | .06 | .35 | .19 | .06 | | | .02 | T. | | | T. | .32 | .01 | | | | 3.04 | |
| Haugan. | do. | .11 | .08 | .03 | | | | | | .15 | .10 | * | .19 | T. | T. | .17 | .02 | T. | .29 | .01 | T. | | | T. | | | | .06 | .22 | .01 | | | | 1.43 | |
| Heron. | Columbia. | | | .08 | .06 | | | | .30 | .07 | .19 | .05 | .07 | .15 | .31 | .03 | | | .37 | | .03 | | | | | | | .27 | .57 | | | | | 2.55 | |
| Kalispell. | Flathead. | | | .09 | T. | .02 | | | | .10 | .07 | | .01 | T. | T. | .07 | .06 | | .04 | .05 | .11 | | | | | | .07 | .23 | | | | | | 0.92 | |
| Libby. | Kootenai. | | | | | | | | .02 | | | | | | | | .20 | | | | | | | | | | | .18 | .15 | | | | | 0.55 | |
| Missoula. | Missoula. | T. | | | .18 | .09 | | | .02 | .12 | | .04 | T. | .02 | | .12 | .22 | | .12 | .02 | .17 | T. | | T. | .02 | | | .30 | | | | | | 1.44 | |
| Ovando. | do. | | | T. | .24 | .05 | .02 | | .17 | .24 | T. | .18 | T. | .02 | T. | .22 | .07 | .02 | .12 | .03 | .10 | | | T. | | | T. | .05 | .25 | T. | | | | 1.78 | |
| Philipsburg. | do. | | | | .05 | .05 | | | | T. | T. | .25 | .35 | | | | .27 | T. | | .27 | .13 | .04 | | | | | | .44 | .25 | | | | | 1.66 | |
| Plains. | Columbia. | | | .48 | .06 | | | | .09 | .09 | T. | | | | T. | .11 | T. | T. | .26 | .13 | .04 | | | .04 | | | | .26 | .16 | | | | | 1.72 | |
| Pleasant Valley. | Kootenai. | | | .15 | .10 | .03 | | | .06 | .08 | .03 | .10 | .07 | .02 | .02 | .10 | T. | .06 | | | | | | | | | | .60 | .11 | | | | | 1.53 | |
| Polson. | Flathead. | | | .55 | | | | | | .20 | | | | | | | .27 | | | | .22 | | | | | | | .23 | | | | | | 1.47 | |
| St. Ignatius. | do. | .03 | | T. | .56 | T. | | | T. | .19 | T. | | T. | .35 | .60 | .25 | | .65 | | .11 | | | | .02 | | | | .16 | | .04 | | | | 2.96 | |
| Saltese. | Missoula. | .08 | | T. | .11 | | | | .22 | .06 | .42 | .10 | .08 | | .23 | | .36 | .20 | | | | | | | | | | .22 | .13 | | | | | 2.39 | |
| Stevensville. | Bitter Root. | T. | | T. | | | | | .33 | | .02 | | .04 | | | T. | .23 | .21 | .06 | .02 | | | | | | | | .05 | | | | | | 0.96 | |
| Thompson Falls. | Columbia. | | | .41 | | | | | .05 | .04 | .03 | .03 | T. | | .13 | .07 | | .21 | .09 | .04 | | | | | | | | .11 | .31 | | | | | 1.82 | |
| Trout Creek. | do. | | | .14 | .08 | | | | .18 | .22 | .30 | .32 | | .32 | | | | T. | .30 | | | | | | | | | .90 | .10 | | | | | 2.86 | |
| Victor. | Bitter Root. | | | | | | | | .05 | .01 | .01 | .28 | | | | .01 | .04 | | .27 | T. | T. | | | | | | | .05 | T. | | | | | 0.72 | |
| Willow Glen Stock Farm. | Missoula. | | | | | | | | | | .01 | .04 | | | | .06 | | | | | | | | | | .02 | .02 | | | | | | | | |
| Wyoming. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Afton. | Snake. | .10 | .20 | | | | | | | | | | .20 | | | | | .05 | .03 | .85 | .65 | .25 | .03 | | .25 | .65 | .04 | .07 | | | .36 | | | 2.02 | |
| Alto. | do. | | | T. | | | | | | | | | | .22 | .06 | .05 | .03 | .85 | .65 | .25 | .03 | | | | .25 | .65 | .04 | .07 | | | | | | 3.20 | |
| Beckler River. | do. | | | | | | | | | | .02 | .12 | .05 | .30 | | .11 | .55 | .31 | .44 | .02 | | | | | .22 | | .04 | | | | | | | 2.18 | |
| Bedford. | do. | .08 | .12 | | | | | | | | | .10 | | | | .11 | .18 | .48 | .26 | .04 | | | .08 | | .07 | | .04 | | | | | .36 | | | 1.88 |
| Moran. | do. | .05 | .02 | | .03 | | | | | | | .08 | | | .40 | .14 | .08 | .15 | .44 | .05 | .01 | | | | .15 | .15 | | | .03 | .08 | | .11 | | 3.07 | |
| Snake River. | do. | .20 | .03 | | T. | .20 | T. | | | | T. | | .01 | .35 | .04 | .33 | .18 | T. | .91 | .38 | .29 | .40 | | .10 | .24 | | T. | | | | | | | 3.66 | |
| Nevada. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Jacinto. | Snake. | | | | | | | | | | | | | | | | | | .29 | | .05 | | | | .21 | | | | | | .16 | .11 | 0.82 | | |
| Utah. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standrod. | Raft. | | | | | | | | | | T. | | | .10 | | | | | 1.20 | .13 | .33 | | | T. | T. | .06 | | T. | | .05 | .17 | | 2.04 | | |
| Idaho. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albion. | Snake. | | | | | | | | | | | | | | | | | .80 | | | | | | | | | .80 | .30 | | .45 | .30 | | 2.65 | | |
| Almo. | do. | | | | | T. | | | | | | | | | T. | | | .06 | | .16 | 1.40 | .48 | | | | .05 | | | | | | | 2.15 | | |
| American Falls. | do. | | | | | | | | | | | | | | | | | | .52 | 1.25 | T. | .02 | | | | | | | | | | | 0.10 | | |
| Arrowrock. | Boise. | | | | | | | | | | | | | | | | | .12 | .10 | .65 | .35 | .12 | .07 | | | | .30 | | .05 | .03 | .03 | | 2.53 | | |
| Blackfoot I. | Blackfoot. | | | | | | T. | | | | T. | T. | .42 | .22 | .20 | T. | .12 | | .10 | .65 | .35 | .12 | .07 | | | | .30 | | .05 | .03 | .03 | | 2.50 | | |
| Blackfoot Dam. | do. | | | | | | | | | | | | | | | | | .09 | .25 | | | | | | | | .01 | | .02 | .17 | | .04 | .08 | | |
| Bogus Creek. | Payette. | | | | | | T. | T. | | | | T. | .04 | .36 | | .07 | T. | .04 | .48 | | | | | | | | | .01 | | .02 | .17 | | | 0.58 | |
| Boise. | Boise. | | | | | | | | | | T. | | | .03 | .01 | T. | | .09 | .25 | | | | | | | | | .01 | | .02 | .17 | | | 2.09 | |
| Bonniers Ferry. | Kootenai. | | | | | | | | | .38 | .05 | | | | | | .76 | | .60 | | .08 | | | | | | | .01 | | .02 | .17 | | | 1.79 | |
| Boulder Mine. | Boise. | | | | | | | | | | | | | | | | .11 | .02 | | .06 | | .72 | .37 | | | | | .03 | | .03 | .27 | .02 | .11 | 1.58 | |
| Buhl. | Snake. | | | | | | T. | | | | | | | | | | .09 | | | | | | | | | | | .01 | | .02 | .17 | | | 1.79 | |
| Caldwell. | Boise. | | | | | | | | | .13 | T. | | T. | | | | T. | | .40 | | | | | | .05 | .18 | .01 | .67 | | .10 | | .35 | | 1.02 | |
| Caldwell Exp. Sta. | do. | | | | | | | .03 | .12 | .02 | | .04 | | | | .08 | | .40 | | | | | | | | | | .31 | | .49 | | | | 1.04 | |
| Cambridge. | Weiser. | | | | | | | | .08 | .09 | | .10 | | | | .02 | | .48 | | | | | | | | | | .04 | | .02 | .44 | .03 | | 1.26 | |
| Cedar Creek Dam. | Snake. | | | | | .01 | | .02 | | .03 | | .28 | | | | .03 | | .02 | .54 | | .06 | | | | T. | .12 | | .01 | T. | T. | .02 | .12 | | 1.26 | |
| Chesterfield. | Port Neuf. | | | | | | | | | | | | | | | | | .29 | .60 | .06 | | | | | | | .06 | .03 | | .04 | | T. | 1.08 | | |
| Clarks Fork. | Pend Oreille. | | | .04 | | T. | | | | .29 | | .12 | | .04 | .14 | .22 | .06 | | .55 | .05 | | | | | | | | .25 | .11 | | | | | 1.39 | |
| Coeur d'Alene. | Spokane. | | | | | | | | .68 | .05 | T. | | .12 | | .13 | .01 | .15 | | .05 | .72 | .09 | | | | | | | .38 | .09 | | | | | 1.82 | |
| Council. | Weiser. | | | | | | T. | | .24 | .05 | T. | | .12 | .12 | .01 | .07 | | .05 | .72 | .09 | | | | | | | | .23 | .11 | | | | | 1.80 | |
| Culdesac. | Clearwater. | | | | | | | | .05 | .62 | .34 | .09 | .01 | .04 | .01 | .37 | | .06 | .40 | .53 | .30 | | | .01 | | | | .34 | .09 | | | | 2.50 | | |
| Deary. | do. | | | | | | | | .55 | .30 | | .07 | | | | .03 | .29 | | .06 | .40 | .53 | .30 | | | | | | | | | | | | | |
| Dent. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Driggs. | Snake. | T. | | | | | | | | | | | | | .30 | | .08 | .10 | 1.00 | .40 | .25 | | | | | | | .10 | | | .30 | | 2.53 | | |
| Emmett. | Payette. | | | | | | | | .02 | | | | | | T. | T. | | | .60 | | | | | | | | | .10 | | | | | | 0.74 | |
| Forney. | Salmon. | | | | | | | | | | | | | | | | | | | | | | | | | | | .10 | .02 | | | | | | |
| Garnet. | Snake. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 12—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|----------------------------------|--------------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|----|------|-----|-----|-----|-----|-----|-----|-----|-----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Idaho—Continued. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meridian | Boise | | | | | | | | T. | T. | | | T. | .06 | | | .01 | | T. | .55 | T. | | | | | | .03 | T. | T. | T. | | | | 0.65 |
| Mesa | Weiser | | | | | | | .20 | T. | | | | | | | | T. | .18 | | .54 | | | | | T. | | | T. | .20 | .20 | | | | 1.32 |
| Middle Fork | Clearwater | .06 | | .16 | | | | | .20 | | .55 | .02 | .15 | | .45 | | .12 | .35 | .20 | .04 | | | | | | .04 | .05 | .24 | | .22 | | | | 1.29 |
| Milner | Snake | | | | | | | | | | | | | .04 | | | | | .80 | .04 | | | | | | | | | | | | .08 | 2.24 | |
| Moore | Lost River Region. | | | | | | | | | | | | | | | | .03 | .09 | | .25 | .08 | | | 1.35 | .11 | | .22 | .04 | .02 | | | | .08 | 2.24 |
| Moscow | Palouse | | | | | | | | .83 | | .30 | | .05 | | .12 | .02 | | .31 | .02 | .35 | | | | .13 | | | | | .30 | .23 | .04 | | | 2.70 |
| Mountain Home | Snake | | | | | | | T. | T. | | | T. | | | | | T. | | | | | | | | | | | | T. | | | | | 1.00 |
| Murtaugh | do | | | | | | | | | | T. | | | | | | | T. | 1.00 | T. | | | | | | | T. | | | | | | T. | |
| New Meadows | Salmon | | | | | | .01 | .14 | .11 | .02 | | .13 | .06 | | .10 | | .07 | .57 | | | | | T. | | | | T. | | T. | | | | | 1.00 |
| Nexperce | Clearwater | | | .06 | | | | | .12 | .04 | | | | .19 | | | .05 | .51 | .33 | | | | | | | | | | .13 | .10 | | | | 1.44 |
| Oakley | Snake | | | | | | | | | | | | T. | .15 | | | | .65 | .20 | .15 | | | | .17 | .04 | | | .18 | .80 | | | | 2.28 | |
| O'Hara Bar | Clearwater | | | | | | | T. | .52 | T. | .22 | T. | .20 | | | | .42 | .06 | .30 | .04 | | | | | | | | | | | | | | 1.36 |
| Orofino | do | .10 | | .01 | | | | T. | .36 | .25 | .02 | T. | | | .10 | .17 | | .02 | .38 | .27 | .10 | | | .07 | | | .18 | .04 | .10 | | | | | 2.17 |
| Paris | Bear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Payette | Payette | | | | | | T. | T. | T. | .08 | T. | | .08 | .02 | | T. | | T. | .27 | | | | | | | | T. | | .09 | | | | | 0.54 |
| Pierson | Salmon | | | | | | | | | | T. | | .26 | | | | .18 | | | | | | | | | | .31 | | | | | | | 0.75 |
| Pleasant Valley | Boise | | | | | | | | | | | .01 | .04 | | | .08 | | .23 | | | | | | | | | | T. | | | | | | 0.44 |
| Pocatello | Port Neuf | | T. | | | | | | | | T. | | .08 | .35 | | .04 | | .09 | 1.39 | .37 | .01 | | | .10 | T. | .08 | T. | .01 | T. | T. | T. | | | 2.44 |
| Pocatello Nursery | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Poplar | Snake | | | | | | | | | | | | .47 | | | | .11 | .48 | .58 | .40 | | | | | .10 | | | | | | | | | 2.59 |
| Porthill | Kootenai | | | | | | | .61 | | | | | | | .13 | .35 | | | | | | | | | | | .05 | | .29 | | | | | 1.95 |
| Priest River Experiment Station: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. 1 | P. d'Oreille | T. | | .02 | .01 | | | | .75 | .18 | .16 | .02 | .11 | .11 | .08 | .02 | .05 | .33 | .22 | .03 | | | | | | | | | .01 | .13 | T. | | | 2.23 |
| No. 2 | do | T. | | .03 | | | | | .76 | .04 | .15 | .04 | .15 | .09 | .04 | .02 | .05 | .33 | .28 | .02 | | | | | | | | | .11 | | | | | 2.11 |
| No. 3 | do | T. | | .01 | | | | | .80 | .03 | .18 | .04 | .10 | .10 | .07 | .15 | | .35 | .28 | .02 | | | | | | | | | .11 | | | | | 2.24 |
| Pyle Creek | Payette | | | | | | | T. | .02 | | | | | | | | | .01 | .03 | | | | | | | .01 | .08 | .11 | .13 | .05 | | | | 1.3 |
| Richfield | Big Wood | | | | | | | | | | | .07 | T. | | | | | .25 | T. | | | | | | | | | | | | | | | 1.25 |
| Rogerson | Snake | | | | | | | | | | | .02 | .03 | | | | | .40 | .35 | .03 | | | | | | .14 | | | | | | .18 | | 0.32 |
| Roseberry | Payette | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Roseworth | Snake | | | | | | .10 | | | | | T. | .10 | | | | | .11 | .09 | .05 | | | | | .05 | | T. | .10 | | .16 | | | | 0.76 |
| Rupert | do | | | | | | | | | | | .04 | .06 | | | | T. | .02 | .89 | .14 | .01 | | | .08 | | | | | | | | | | 1.26 |
| St. Anthony | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Maries | St. Joe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Michaels Priory | Clearwater | .15 | | .21 | | | | | .18 | .20 | .08 | .09 | .08 | T. | .28 | T. | .05 | .24 | | .09 | | | | T. | T. | | | | .25 | .21 | | | | 2.11 |
| Salmon | Salmon | | | T. | | | .04 | T. | .01 | T. | | .02 | .05 | | .25 | .04 | | .29 | T. | .02 | | | | .01 | .03 | | | .27 | .01 | .10 | | | | 0.89 |
| Sandpoint | P. d'Oreille | | | | | | | | .70 | .02 | | .12 | .45 | .30 | | | | .42 | .05 | | | | | | | | | | .40 | | | | | 3.02 |
| Sheep Hill | Boise | | | | | | | | .01 | T. | .01 | | .04 | .04 | | .01 | .01 | .01 | .52 | T. | | | | | | | | | .04 | | | | | 0.69 |
| Shoshone | Big Wood | | | | | | | | | | | | .05 | | | | T. | .12 | | | | | | | | | .01 | | | | | | | 0.34 |
| Silver City | Owyhee | | | | | | .30 | .04 | | | | | .22 | .05 | | .10 | | .03 | .56 | .02 | .01 | .01 | | | | | | .15 | .15 | | | | 1.64 | |
| Soldier Creek | Big Wood | .01 | | | | | | | | | | | | | | .08 | | .03 | .20 | | | | | | | | | .16 | | .36 | .08 | | | 0.92 |
| Spirit Lake | P. d'Oreille | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Springfield | Snake | | | | | | | | | | | | | .27 | | | | 1.07 | .44 | .02 | | | | .01 | | .04 | .02 | | | | | | | 1.89 |
| Spring Hill | Boise | | | | | | | T. | T. | | | | | | | | | .55 | .06 | | | | | | | | | | .10 | | | | | 0.81 |
| Sugar | Snake | | | | | T. | | | | | | | | .43 | .11 | | T. | | .41 | .05 | .21 | .11 | | | | .08 | .51 | | | | | | 2.91 | |
| Sunnyside | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T. |
| Tripod Mountain | Payette | | | | | | | | .05 | | | | | T. | T. | | | .97 | | | | | | | | | | | T. | .08 | | | | 1.10 |
| Twin Falls | Snake | | | | | | | | T. | .02 | | .07 | T. | | | | | .04 | .13 | .02 | .02 | .03 | | .10 | .20 | | .15 | | .35 | .07 | | | | 0.75 |
| Vernon | do | | | | | | | | T. | T. | | T. | .28 | | .13 | | | .87 | .41 | .23 | .03 | | | | | | | | .35 | .07 | | | | 2.39 |
| Wallace | C. d'Alene | | | T. | .02 | | | | .33 | .17 | .20 | | .17 | .02 | .23 | | | .32 | .17 | .06 | .02 | | | | | | | | .54 | .66 | | | | 2.91 |
| Weiser | do | | | | | | | | .10 | .25 | .06 | | .04 | .09 | .24 | T. | | .01 | .37 | T. | .01 | | | | .02 | | | | .02 | .10 | .06 | | | 1.37 |
| Wendell | Big Wood | | | | | | | | | | | | .04 | | | | | | | | | | | | .06 | | | | | | | | | 0.46 |
| Weston | Bear | .05 | | | | | | | | | | | .16 | | | | | .21 | .56 | .15 | | | | | .03 | | | | | | | | | 1.16 |
| Washington. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen | Coast | .18 | .04 | .07 | | | | T. | .32 | .42 | .70 | .36 | .05 | .10 | .19 | .08 | .02 | .03 | .01 | | | | | | | | | .98 | .14 | | | | | 3.69 |
| Anacortes | Puget Sound | .05 | .02 | | | .05 | | .02 | .07 | .50 | .10 | .32 | | .11 | .17 | | | | | | | | | | | | | .24 | .22 | | | | | 1.93 |
| Anatone | Snake | | | | T. | | | | .20 | .80 | .15 | | T. | .15 | .10 | .05 | | | | | | | | | | | | .25 | .34 | T. | | | | 2.89 |
| Baker | Puget Sound | T. | .10 | .10 | T. | | | | .40 | .30 | .30 | .30 | .10 | .20 | .10 | .20 | | T. | .70 | .10 | .05 | | | | | | | .40 | .30 | | | | | 2.80 |
| Bellingham | do | | | | | | | | .20 | .34 | .03 | .30 | T. | | .42 | .06 | | | | | | | | | | | | .25 | .34 | | | | | 1.94 |
| Bellingham (near) | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blaine | do | | | | | | | | .07 | .67 | .02 | .66 | .12 | T. | .4 | | | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 12—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|--------------------|---------------|---------------|-----|-----|-----|-----|----|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|------|------|-----|-----|----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Washington—Contd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Irene Mountain. | Coast. | | | | | | | | T. | .50 | | | .24 | T. | .07 | .04 | | .04 | .31 | .25 | | | | | | | | .20 | .75 | .10 | | | 2.50 | |
| Kennewick. | do. | | | | | | | | .04 | T. | .05 | .11 | .07 | | | .05 | .02 | .11 | .09 | | | | | | | | | .39 | .35 | | | | 0.38 | |
| Kent. | Puget Sound. | | | | | | | | | .74 | .10 | .38 | .17 | | | .05 | .02 | | | | | | | | | | | | | | | | 2.29 | |
| Kettle Falls. | Columbia. | | | | | | | | .04 | .45 | | .04 | .21 | .02 | | .34 | | | .53 | | | | | | | | | | .47 | | | | 2.10 | |
| Kiona. | Yakima. | | | | | | | | | .02 | .12 | | .15 | | | | | .18 | .05 | | | | | | | | | | | | | | 0.52 | |
| Kosmos. | Columbia. | | .08 | .06 | | | | | .09 | .35 | .14 | .43 | .29 | .10 | | .11 | T. | .14 | .29 | .21 | | | | | | .03 | .18 | .38 | | | | | 2.88 | |
| La Center. | do. | | | | | | | | T. | .47 | .29 | .37 | .36 | .05 | .01 | .27 | | .40 | | | | | | | | | .03 | .04 | T. | .16 | .02 | | 0.79 | |
| La Crosse. | Palouse. | | | | | | | | | .18 | T. | | | | | | T. | .20 | .23 | | T. | | | | | | | | | | | | 1.45 | |
| Lake Clealum. | Yakima. | | | T. | .10 | | | | .02 | .35 | .15 | .07 | .05 | T. | .06 | .04 | .06 | .05 | .07 | .24 | T. | | | | | | | | .02 | .17 | T. | | 1.45 | |
| Lake Kachess. | do. | .04 | | .10 | T. | | | | T. | .15 | .16 | .08 | .12 | T. | .08 | .09 | .06 | .03 | .25 | | | | | | | | | | .24 | .08 | | | 1.45 | |
| Lake Keechelus. | do. | .15 | T. | .07 | .05 | | | | T. | .13 | .40 | .28 | .20 | .10 | | .15 | .20 | .21 | T. | .25 | | | | | | | | | .44 | .09 | | | 2.72 | |
| Lakeside. | Columbia. | | | | | | | | T. | .74 | .07 | | .05 | | | | | .06 | .27 | | T. | | | | | | | | .21 | .47 | | | 1.87 | |
| Laurel. | do. | | | | | | | | | .32 | .40 | .36 | | | | | | .10 | | | | | | | | | | | .39 | | | | 1.51 | |
| Laurier. | Kettle. | | | | | | | | .17 | .53 | .04 | .20 | .44 | | | .05 | .12 | .08 | .01 | .20 | .06 | .03 | .03 | | | | | .07 | .60 | .03 | | | 2.66 | |
| Lone Tree. | Coast. | .07 | .05 | .01 | | | | | .26 | .10 | .60 | .45 | T. | .12 | .54 | .21 | .02 | .06 | T. | | | | | | | | | | .58 | .19 | | | 3.26 | |
| Longmires Springs. | Puget Sound. | | | | | | | | | | | | | | | | | | .05 | .01 | .03 | | | | | | | | | | | | 0.29 | |
| Lost Creek. | Columbia. | | | | | | | | | .09 | T. | .01 | .01 | T. | | | | | .25 | .16 | | | | | | | | | .05 | .04 | | | 0.73 | |
| McConihe. | do. | | | | | | | | .02 | .02 | .05 | .12 | | | | | | | .05 | .05 | | | | | | | | | | | | | 1.50 | |
| McCumbers Ranch. | do. | | | | | | | | .10 | .20 | .40 | .10 | | | | | | .05 | .05 | | | | | | | | | | | .60 | | | 0.88 | |
| Moses Lake. | do. | | | | | | | | T. | | | | .30 | | | | .19 | | .10 | .29 | | | | | | | | | | | | | 0.78 | |
| Mottinger. | do. | | | | | | | | .15 | .01 | .16 | | .20 | | | | | .09 | .07 | | | | | | .10 | | | | | | | | 1.45 | |
| Mount Pleasant. | Coast. | T. | | | | | | | T. | .36 | .48 | .15 | .19 | .12 | .03 | T. | T. | | .03 | .36 | .01 | | | | | | | T. | .12 | T. | .45 | | 1.15 | |
| Moxee. | Yakima. | | | | | | | | T. | .05 | .03 | .12 | .04 | .06 | | .09 | .13 | .03 | .03 | .36 | .01 | | | | | | | T. | | .45 | .04 | T. | | 1.45 |
| Newport. | Pend Oreille. | | | | | | | | | .60 | .01 | .10 | .08 | .01 | | .09 | .13 | .03 | T. | .47 | .05 | T. | .01 | | | | | | | .04 | | | 1.52 | |
| North Head. | Coast. | .14 | | .04 | | | | .01 | .24 | .03 | .60 | .49 | | .01 | .19 | | | .01 | .17 | .21 | .02 | | | | | | | 1.08 | .01 | | | | 2.85 | |
| North Sundale. | Columbia. | | | | | | | .04 | .04 | | .74 | | .18 | | | | | .17 | .21 | .02 | | | | | | | | | | .26 | | | 1.66 | |
| Northport. | do. | | | | | | | .05 | .20 | .17 | .10 | .12 | .02 | | .04 | .29 | T. | .15 | .04 | | .03 | | | | | | | | .57 | .01 | | | 1.79 | |
| North Yakima. | Yakima. | T. | | | | | | T. | T. | .01 | .08 | T. | .02 | | | T. | | .03 | .24 | | | | | | | | | T. | .29 | | | | 0.67 | |
| Odessa. | Columbia. | | | | | | | | T. | .07 | .06 | | .25 | | | | | T. | .33 | T. | .26 | | | | | | | | T. | .29 | | | 1.26 | |
| Olga. | Puget Sound. | | | | | | | | .08 | .50 | .42 | .04 | .03 | .05 | .28 | | | | | | | | | | | | | | .13 | .22 | | | 1.75 | |
| Olympia. | do. | | | | | | | | .23 | .83 | .32 | .36 | .10 | .07 | .01 | .14 | | | .02 | .03 | | | | | | | | | .58 | .20 | | | 2.89 | |
| Omak. | Okanogan. | | | | | | | | .37 | .53 | T. | | | | | | | | .47 | T. | T. | | | | | | | | .24 | .17 | .34 | | 2.12 | |
| Oroville. | do. | | | | | | | | .30 | 1.40 | | | .27 | | | | | .10 | .25 | | | | | | | | | | .10 | .30 | | | 2.65 | |
| Peola. | Snake. | | | | | | | | .03 | .01 | .09 | .27 | .15 | .10 | .08 | .04 | .03 | .04 | .30 | .08 | .12 | | | | | | .04 | T. | .27 | .58 | .06 | | 2.29 | |
| Pomeroy. | do. | | | | | | | | | .75 | .30 | .10 | | | .02 | T. | | | | | | | | | | | | | .60 | | | | 2.16 | |
| Port Crescent. | Coast. | | | | T. | | | T. | .06 | .47 | .35 | .14 | .03 | .07 | .05 | .03 | | | | | | | | | | | | | | | | | 1.32 | |
| Port Townsend. | Puget Sound. | | | | T. | | | .06 | .05 | .18 | .10 | .52 | | .30 | .33 | | | | | | | | | | | | | | T. | .12 | | | 2.13 | |
| Prosser. | Yakima. | | | | | | | | .07 | .10 | .20 | | .28 | | | T. | | | .04 | .05 | | | | | | | | | | | | | 0.95 | |
| Pullman. | Palouse. | | | | | | | | .08 | .55 | .18 | | .09 | | .05 | | .15 | .23 | | | | | | | | | | | .07 | .13 | .07 | | 1.60 | |
| Queets River. | Coast. | .07 | .09 | .13 | | T. | T. | .01 | .18 | .05 | .57 | .65 | .53 | .11 | .02 | .41 | .02 | T. | T. | | | | | | | | | .30 | .32 | .20 | | T. | 4.70 | |
| Quinalt. | do. | .03 | | | | | | | .40 | .45 | 1.10 | 1.50 | .50 | .80 | .80 | .69 | .02 | .12 | .01 | | | | | | | | | | 1.05 | .56 | | | 8.03 | |
| Reardan. | do. | | | | | | | | .20 | .07 | .01 | .04 | .06 | .04 | .03 | .35 | | | | | | | | | | | | | | | | | 0.80 | |
| Republic. | Kettle. | | | | | | | | .07 | .60 | T. | .02 | .22 | .03 | T. | .20 | .01 | | .06 | | .03 | | | | | | | | .12 | .59 | .04 | | 1.99 | |
| Rex Creek. | Columbia. | | | | | | | | .15 | .29 | | .11 | | | | | | .19 | | .05 | | | | | | | | | | | | | 0.63 | |
| Ritzville. | do. | | | | | | | | | | | .03 | .12 | | | | | | | | .09 | | | | | | | | | | | | 0.46 | |
| Robertsville. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rock Lake. | Palouse. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rosalia. | do. | | | | | | | | .21 | .21 | .05 | | .07 | .07 | .02 | | | .10 | .40 | .15 | .16 | | | | | | | | .21 | T. | .03 | | 1.68 | |
| Russells Ranch. | Yakima. | | | | T. | .01 | | | .17 | .07 | .13 | .04 | .08 | T. | T. | | | .07 | .10 | | | | | | | | | .04 | .32 | .04 | T. | | 1.06 | |
| Seattle. | Puget Sound. | | | | T. | .01 | | | T. | .03 | .35 | .09 | .10 | T. | .02 | .04 | .02 | .01 | .04 | | | | | | | | | | .62 | .04 | | | 1.37 | |
| Sedro Woolley. | do. | .21 | | | .03 | | | | .36 | .43 | .05 | .05 | .01 | .02 | .10 | .04 | | | | | | | | | | | | .03 | .20 | .46 | .02 | | 2.01 | |
| Sixprong. | Columbia. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skagit Power Dam. | Puget Sound. | .11 | | .28 | | | | | .15 | .30 | .12 | .40 | .17 | .08 | .16 | .30 | .05 | | | | | | | | | | | | .35 | .10 | | | 2.62 | |
| Snohomish. | do. | .28 | .02 | | | | | .08 | | .70 | .08 | .17 | .27 | .42 | | .38 | | | | | | | | | | | | | .44 | .38 | | | 3.22 | |
| Snoqualmie Falls. | do. | T. | .04 | .13 | .18 | | | | .13 | .60 | .34 | .25 | .15 | T. | .05 | .07 | .57 | .05 | .15 | .02 | | | | | | | | | .35 | .20 | .01 | | 3.29 | |
| Snoqualmie Pass. | Yakima. | | | | | | | .12 | .19 | | .07 | | | .09 | | | | .12 | | .16 | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 12—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|----------------------|--------------|---------------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
| Oregon—Continued. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Butte | Willamette | | | | | | | | .15 | .40 | .50 | .35 | .10 | | .05 | | .15 | .85 | | | | | | | | | | | .20 | .30 | | | | 3.05 | |
| Blacklock | Columbia | | | | | | | | T. | .16 | .36 | T. | .25 | | T. | | | .17 | .09 | T. | | | | | | | | | .15 | | | | | 1.18 | |
| Blue Mt. Sawmill | Umatilla | | | | | | | | .10 | .20 | .20 | | .18 | .13 | .15 | .15 | | | | | | | | .10 | .23 | .07 | | | | | | | | 2.49 | |
| Brogan | Malheur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buena Vista | Snake | | | | .01 | | .03 | | .40 | .10 | .20 | | .70 | | .01 | .30 | .10 | .10 | .20 | T. | | | | | | T. | .01 | .70 | | | | | | 2.86 | |
| Burns | SE. drainage | | | | | | | T. | | | T. | T. | .02 | | | | T. | T. | | | | | | | | | | .12 | | | | | | 0.25 | |
| Burns Mill | do. | | | | | | | .02 | | .03 | | | .01 | .04 | | | | .15 | | | | | | | | | | | .02 | | | | | 0.27 | |
| Butte Falls | Rogue | | | | | | | | .05 | .35 | .22 | .02 | .50 | | .04 | .02 | | .52 | | | | | | | | | .15 | .08 | .01 | | | | | 1.96 | |
| California Gulch | Umatilla | | | | | | | .21 | | | .25 | .48 | .31 | | | .14 | .43 | | .56 | .60 | | | | | | | .14 | .16 | | .12 | | | | 3.40 | |
| Cascade Locks | Columbia | | | .13 | | | | | .27 | .27 | .30 | .48 | .63 | .12 | .04 | .63 | | .28 | .10 | | | | | | | | | .05 | | | | | | 3.30 | |
| Cascadia | Willamette | .12 | .01 | .03 | | | | | .19 | .65 | .38 | .34 | .56 | .09 | .31 | .34 | | .95 | .35 | | | | | | | | | .13 | .21 | | | | | 4.66 | |
| Cazadero | do. | .06 | .04 | .03 | | | | | .09 | .35 | .27 | .42 | .11 | .03 | .06 | .42 | | .76 | .33 | | | | | | | T. | | .10 | .03 | | | | | 3.10 | |
| Central Point | Rogue | | | | | | | | .13 | .13 | .12 | .01 | .53 | | .01 | | | .26 | | | | | | | | | | .20 | | | | | | 1.39 | |
| Christmas Lake | SE. drainage | | | | | | | | T. | .29 | | .35 | | | | | | .04 | .07 | | | | | | | | | T. | .33 | | | | | 1.08 | |
| Clear Lake | Willamette | .06 | .03 | .02 | | | | | .49 | .57 | .95 | .30 | .18 | .07 | .22 | .39 | | .69 | .08 | .02 | | | | | | | | .05 | .11 | | | | | 4.23 | |
| Cliff | SE. drainage | | | | | | | | | | .10 | | .58 | | | | | | | | | | | | | | | | T. | .17 | | | | 0.85 | |
| Columbia Mine | Snake | | | | T. | T. | | .32 | .17 | .08 | .18 | .35 | .21 | | .10 | .10 | .25 | .05 | .35 | .05 | .05 | | | | | | | .55 | .15 | | | | | 2.96 | |
| Condon | John Day | | | | | | | | .09 | .06 | .64 | T. | .35 | | | | | .32 | .18 | .03 | | | | | .04 | | | T. | | | | | | 1.71 | |
| Coquille River L. H. | Coast | | | | | | | | .18 | .13 | .90 | .24 | | | | .10 | .05 | | .11 | .02 | | | | | | | | | .44 | .10 | | | | 2.27 | |
| Cornucopia | Snake | | | | | | | T. | .07 | .06 | .67 | .21 | | .11 | .27 | .05 | .22 | | .05 | .32 | .02 | T. | | | | | | .02 | .18 | .14 | | | | 2.39 | |
| Corvallis | Willamette | T. | | | | | | | .08 | .38 | .34 | .29 | | | | T. | .05 | | .51 | | | | | | | | | | .19 | .05 | | | | 1.89 | |
| Cracker Creek | Snake | T. | | | | | | T. | T. | | | T. | .06 | | | | | | | | T. | | | | | | | T. | .07 | T. | | | | 1.63 | |
| Crescent | Deschutes | | | | | | | T. | .01 | .21 | .23 | T. | .16 | | | .02 | | .02 | .23 | | T. | | | | T. | | | .35 | | | | | | 1.23 | |
| Dayville | John Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deadwood | Coast | .01 | | | | | | | .01 | .22 | .11 | .80 | .51 | T. | | .26 | .35 | | .28 | T. | | | | | | | | | .10 | .01 | | | | 2.66 | |
| Diamond | SE. drainage | | | | | | | | .22 | | T. | | | | | | | | .47 | | | | | | | | | | T. | .56 | | | | 1.25 | |
| Doraville | Columbia | .02 | .01 | | | | | | T. | .11 | .28 | .15 | .23 | .13 | .43 | .15 | .07 | T. | .26 | .02 | | | | | | | .01 | .27 | .05 | | | | | 2.19 | |
| Drain | Umpqua | | | | | | | | .08 | .43 | .22 | .13 | .07 | | .06 | .23 | | .26 | .01 | | | | | | | | | | .18 | .06 | | | | 1.73 | |
| Dufur | Columbia | | | | | | | | .04 | .16 | .08 | .17 | .06 | .02 | | .02 | .01 | | .25 | | | | | | | | | | .42 | | | | | 1.23 | |
| Echo | Umatilla | | | | | | | | T. | .05 | .18 | | .17 | T. | | | | | .15 | | | | | | | | | | | | | | | 0.55 | |
| Ella | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Embodry | SE. drainage | | | | | | | | .02 | .09 | .12 | .20 | .21 | | | T. | T. | T. | .03 | | | | | | | | | | .42 | .01 | | | | 1.10 | |
| Eugene | Willamette | | | | | | | | .53 | .12 | .62 | .63 | .39 | | | .21 | | .21 | | | | | | | | | | | .03 | .06 | T. | | | 2.80 | |
| Fairview | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fir Glen | do. | | | | | | | | .05 | .22 | .20 | T. | .08 | | .04 | .02 | | .12 | .07 | | | | | | | | | | .05 | .01 | | | | 0.86 | |
| Florence | do. | | | | | | | | .17 | .04 | .74 | .43 | .03 | | .28 | .25 | | .17 | | | | | | | | | | | .31 | | | | | 2.42 | |
| Folly farm | Malheur | | | | | .03 | .04 | | .02 | .02 | | .06 | .02 | | | | | .03 | | | | | | | .06 | .06 | | | | .25 | | | | 0.72 | |
| Forest Grove | Willamette | | | | | | | | .05 | .35 | .20 | .60 | .05 | .01 | .03 | .01 | | .25 | .03 | | | | | | | | | | .04 | | | | | 1.62 | |
| Fort Rock | SE. drainage | | | | | | | T. | T. | .06 | .08 | T. | .42 | | | | T. | .03 | | | | | | | | | | | .25 | | | | | 0.84 | |
| Galice | Rogue | | | | | | | | .10 | .22 | .62 | .06 | .07 | | T. | | T. | T. | .15 | | | | | | | | | | .04 | | | | | 1.26 | |
| Gardiner | Umpqua | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gibbon | Umatilla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glassbutte | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glencoe | Columbia | | | | | | | | .10 | .08 | .51 | | .20 | | | .10 | | | .10 | .15 | | | | | | | | | | | | | | 1.24 | |
| Glendale | Umpqua | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glenora | Coast | .20 | | | | | | | .40 | .25 | .45 | .85 | .20 | .15 | .13 | .24 | .20 | .12 | | | | | | | | | | | .34 | | | | | 3.53 | |
| Gold Beach | Rogue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Golden Falls | Coast | | | | | | | | .19 | .06 | 1.05 | .21 | .03 | .01 | .03 | .46 | | .31 | | | | | | | | | | | .15 | .04 | | | | 2.54 | |
| Grants Pass | Rogue | | | | | | | | .16 | .12 | .46 | | .38 | .39 | | | | | T. | .23 | | | | | | | | | .09 | | | | | 1.83 | |
| Grass Valley | John Day | | | | | | | | .47 | .25 | .68 | .05 | .05 | | | .05 | .41 | | .18 | .18 | .04 | | | | | | | | .76 | .44 | .33 | .03 | | 2.72 | |
| Greenhorn | Snake | T. | T. | .01 | | .05 | .42 | | .06 | .08 | .15 | .12 | .11 | | .06 | .08 | | .18 | .18 | .04 | | | | | | | | | .04 | .33 | .03 | | | 1.94 | |
| Gumbo | do. | | | | | | .46 | | .23 | T. | .05 | .10 | | .05 | .07 | | | .04 | .45 | .02 | .04 | | | | | | | .01 | T. | | | | | 2.21 | |
| Gurdane | Columbia | | | | | | .01 | .02 | .01 | .03 | T. | | | | .02 | .03 | | .02 | .02 | .02 | .07 | | | | | | | | .04 | .45 | .21 | T. | | 0.26 | |
| Happy Home | Umpqua | .38 | | | | | | | .45 | 1.12 | .94 | .08 | .13 | .04 | .02 | | .03 | .27 | .16 | | | | | | | | | | .45 | .35 | | | | 4.42 | |
| Harbor | Coast | | | | | T. | T. | T. | 1.00 | .75 | .35 | .27 | .25 | | | T. | T. | .23 | | | | | | | | | | | .46 | | | | | T. | 3.31 |
| Hay Creek | Deschutes | | | | | | | | .04 | .16 | .56 | .21 | .07 | | .12 | T. | | .30 | | | | | | | | | | | | | | | | | |

TABLE 2.—Daily precipitation for May, 1913. District No. 12—Continued.

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | |
|----------------------|--------------|---------------|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|------|-----|-----|----|----|--------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| Oregon—Continued. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ortley..... | Columbia | | | .04 | | | | T. | .09 | .25 | .23 | .03 | | | T. | .06 | | .17 | | | | | | | | | | | .40 | | | | 1.27 | |
| Owyhee..... | Owyhee | | | | | | | | | | | | .45 | T. | | | | | .38 | .03 | .05 | | | | | | | | | | | | 0.91 | |
| Paisley..... | SE. drainage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parkdale..... | Columbia | | | | | | | T. | .04 | .22 | .20 | .04 | | | | .03 | | .26 | | | | | | | | | | | .25 | | | | 1.04 | |
| Pendleton..... | Umatilla | | | | | | | .05 | | .15 | .04 | .17 | .05 | | | .02 | .02 | T. | .38 | .22 | | | | | | | | | T. | | | | 1.10 | |
| Peninsula..... | Deschutes | | | | | | | .07 | | .28 | .42 | T. | T. | | | | | .07 | | | | | | | | | .07 | .56 | | | | | 1.47 | |
| Persist..... | Rogue | | | | | | | | .09 | .32 | | | .63 | | | .10 | | | .08 | .25 | | | | | | | | .08 | .10 | | | | 1.65 | |
| Pilot Rock..... | Umatilla | T. | | | | | | .04 | .09 | .10 | .17 | .13 | .02 | .02 | .39 | .02 | .16 | .30 | .15 | .02 | | | | | | | | .05 | .05 | | | | | 1.71 |
| Pompeii..... | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Portland..... | Willamette | .02 | .01 | .02 | | | | T. | .12 | .25 | .27 | .19 | T. | .03 | .10 | | | .54 | .01 | | | | | | | | T. | T. | .07 | | | | 1.63 | |
| Port Orford..... | Coast | | | | | | | | .28 | .14 | .20 | .36 | .15 | | | | | .27 | | | | | | | | | | | .08 | | | | 3.25 | |
| Post..... | Deschutes | | | | | | | | .04 | .09 | | .05 | .37 | | | | | .08 | .13 | | | | | | | | | | .55 | .09 | | | 0.85 | |
| Powell Butte..... | do | | | | | | | .03 | | .02 | .40 | | .05 | | | | | .08 | .08 | | | | | | | | | .40 | | | | | 1.06 | |
| Power House..... | Columbia | | | | T. | | | .03 | | .02 | .08 | .06 | .02 | | | .03 | .02 | .77 | .15 | | | | | .01 | | | .13 | .02 | .02 | | | | 1.36 | |
| Prairie City..... | John Day | | | | | | | .10 | .03 | | .04 | .05 | .08 | T. | | T. | | .14 | .10 | | | | | | .03 | | .05 | .09 | T. | | | | 0.71 | |
| Prineville..... | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prospect..... | Rogue | | | | | | | | .10 | .25 | .30 | .01 | .43 | | | .01 | .08 | | .03 | .43 | | | | | | | | .05 | .08 | .07 | | | 1.84 | |
| Rager Creek..... | Deschutes | | | | | | | | .14 | .07 | .03 | .16 | | | | | | | .24 | | | | | | | .01 | | .08 | .07 | | | | 0.71 | |
| Ramsey..... | Columbia | | | | | | | T. | .13 | .08 | .22 | .05 | | | | .02 | | .26 | | | | | | | | | | .35 | | | | | 1.11 | |
| Range..... | John Day | | | | | | | | T. | .30 | .30 | .30 | .50 | | | T. | .10 | .10 | .30 | .10 | | | | | | | T. | .10 | .10 | | | | 1.90 | |
| Ray Creek..... | Columbia | | | | | | | .14 | T. | .10 | .26 | .19 | T. | | T. | .01 | | .22 | .08 | T. | | | | | | | | T. | | | | | 1.00 | |
| Redmond..... | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reston..... | Umpqua | | | | | | | | .16 | .22 | .18 | .02 | .13 | | | .04 | .02 | .10 | .03 | | | | | | | | | .04 | | | | | 0.94 | |
| Richland..... | Snake | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Riddle..... | Umpqua | | | | | | | | .02 | .25 | .11 | .01 | .26 | | | | .01 | .04 | .19 | | | | | | | | | .08 | | | | | 0.97 | |
| Riley..... | SE. drainage | | .10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.10 | |
| Rio Hermoso..... | Deschutes | | | | | | | | .02 | .02 | .02 | .12 | .52 | T. | | T. | T. | .37 | .03 | T. | | | | | | T. | | T. | .34 | | | | 1.72 | |
| Riverdale..... | do | | | | | | | | | | | | | | | | | | | | | | | | | | | T. | T. | .13 | T. | | 0.88 | |
| Riverside..... | Malheur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robbville..... | Deschutes | | | | | | | | | | .20 | .35 | .30 | | | | | .27 | | | | | | | | | | .60 | | | | | 1.72 | |
| Roseburg..... | Umpqua | | | | | | | | .31 | .10 | .06 | .30 | .21 | | .03 | | | .29 | | | | | | | | | | | .20 | | | | 1.50 | |
| Rosland..... | Deschutes | | | | | | | .34 | T. | .32 | .38 | | .14 | | | .08 | | .13 | .04 | | | | | | | | | .34 | | | | | 1.77 | |
| Rosland..... | Deschutes | | | | | | | | | | | | | | | | | | | | | | | | | | | .02 | .14 | | | | 2.24 | |
| Salem..... | Willamette | T. | T. | .13 | | | | | .05 | .36 | .32 | .56 | .22 | | .02 | .04 | | .38 | | | | | | | | | | T. | T. | | | | 0.45 | |
| Seneca..... | SE. drainage | .08 | | | | | .04 | | .05 | | .10 | | .10 | | | | | .06 | .02 | | | | | | | | | | .14 | | | | 0.96 | |
| Silver Lake..... | do | | | | | | | | .29 | | | .45 | | | | | | .06 | | | | | | | | | | .14 | .02 | | | | 1.47 | |
| Siskiyou..... | Rogue | | | | | | | | | .24 | .21 | | .52 | .20 | | | | .20 | | | | | | | | | | .14 | .10 | | | | 0.96 | |
| Sisters..... | Deschutes | | | | | | | .10 | .11 | .22 | .42 | | .17 | | | | | .11 | | | | | | | | | | .46 | .08 | | | | 1.47 | |
| Sparta..... | Snake | | | T. | | | | .01 | T. | .60 | | | .18 | .03 | | T. | .05 | | | | | | | | | | | .10 | .05 | .21 | | | 1.61 | |
| Stafford..... | Willamette | .04 | | .04 | | | | | .10 | .39 | .27 | .47 | .05 | .04 | .09 | .10 | | .59 | .11 | .01 | | | | | | | | | T. | .10 | T. | | 2.40 | |
| Starkey..... | Gnd. Ronde | | | | | | | .18 | | .16 | .21 | .16 | .04 | .11 | | .30 | .28 | .29 | | | | | | | | | .20 | .53 | .05 | | | | 2.55 | |
| Summit..... | Willamette | .06 | | | | | | | .23 | .15 | .32 | .16 | .02 | .03 | .19 | .12 | | .32 | | | | | | | | | | .12 | | | | | 1.72 | |
| Susanville..... | John Day | .10 | | | | | | .30 | T. | | .30 | .45 | | | | | | .60 | .20 | | | | | | .06 | | .05 | .10 | T. | | | | 2.26 | |
| Tablerock..... | Rogue | | | | | | | | .10 | .20 | .05 | T. | .60 | T. | .01 | | | .17 | | | | | | | | | | .22 | T. | | | | 1.35 | |
| Talent..... | do | | | | | | | | .16 | .19 | .12 | | .68 | .10 | T. | | | .32 | | | | | | | | | | .30 | .05 | | | | 1.92 | |
| Tamarack..... | John Day | | | | | | | | .24 | .23 | .22 | .16 | .37 | .03 | | T. | .10 | .11 | .10 | .12 | | | | | T. | | | | .03 | | | | 1.71 | |
| The Dalles..... | Columbia | | | T. | | | | T. | .09 | .03 | .36 | .04 | | | .04 | | | .08 | .08 | | | | | | | | .28 | .04 | | | | | 1.04 | |
| Tillamook..... | Coast | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Toledo..... | do | | | .05 | | | | | | .20 | | .40 | .80 | .20 | | .20 | .30 | .30 | .10 | | | | | | | | | | | | | | 2.55 | |
| Trail..... | Rogue | | | | | | | | .10 | .26 | .10 | | .45 | | T. | | | .17 | | | | | | | | | | | .38 | | | | 1.46 | |
| Umatilla..... | Columbia | | | | | | | | | .26 | .17 | .05 | | | .01 | | | .20 | .11 | T. | | | | | | | | | | | | | 0.80 | |
| Union..... | Gnd. Ronde | | | | | | .05 | | | .42 | .15 | .03 | .44 | | .03 | .23 | | .19 | | T. | | | | | | | .09 | .23 | .06 | | | | 1.92 | |
| Vale..... | Malheur | | | | | | | | .08 | .03 | | | .04 | | | | | .41 | .01 | .02 | | | | | | .05 | | .02 | .10 | | | | 0.76 | |
| Valley Falls..... | SE. drainage | | | | | | | | | | | | .63 | T. | | | | .53 | .05 | | | | | | | | T. | 1.25 | T. | | | | 2.46 | |
| Van..... | Malheur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vida..... | Willamette | .04 | T. | T. | | | | | .11 | .57 | .30 | .32 | .34 | T. | .12 | .48 | | .80 | .23 | .01 | | | | | | | | .04 | .19 | | | | 3.55 | |
| Vistillas..... | Pitt | | | | | | | | | .27 | .18 | .02 | .03 | | | | | .01 | .51 | | | | | | | | .02 | .08 | | | | | 1.12 | |
| Waldo..... | Rogue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wallace Orchard..... | Willamette | .10 | | .09 | | | | | .09 | .33 | .46 | .66 | .05 | T. | .04 | .08 | | .35 | | | | | | | | | | T. | .03 | .09 | | | 2.37 | |
| Walloupa..... | Gnd. Ronde | .01 | | | .04 | | | | .98 | .22 | .03 | .13 | | | .04 | .28 | | .03 | .22 | T. | | | | .02 | | .37 | .82 | .09 | | | | | 3.26 | |
| Wallowa..... | do | .01 | | T. | | | | | .36 | T. | .54 | .48 | .08 | .19 | | .04 | .36 | .05 | .24 | .01 | | | | | | | .03 | .12 | .06 | | | | 2.57 | |
| Wamic..... | Deschutes | | | | | | | | .19 | | .06 | .25 | .06 | .10 | | | .06 | | | | | | | | | | .50 | .02 | | | | | | |

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 12, Columbia Valley.

| Date. | Montana. | | | | Afton, Wyo. | | Idaho. | | | | | | | | | | | | | | | | | | | | | | | |
|----------|------------|------|-----------|------|-------------|------|--------|------|----------------|------|-------------|------|-----------|------|---------|------|--------------|------|------------|------|---------|------|-----------|------|---------|------|----------|------|------|--|
| | Kalispell. | | Missoula. | | | | Boise. | | Bonners Ferry. | | Hot Spring. | | Lewiston. | | Mackay. | | New Meadows. | | Pocatello. | | Salmon. | | Shoshone. | | Vernon. | | Wallace. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | |
| 1..... | 48 | 25 | 50 | 26 | 40 | 23 | 54 | 35 | 49 | 24 | 50 | 25 | 58 | 37 | 55 | 28 | 46 | 24 | 50 | 34 | 59 | 16 | 58 | 21 | 45 | 30 | 48 | 26 | | |
| 2..... | 54 | 28 | 52 | 32 | 40 | 20 | 57 | 28 | 60 | 28 | 63 | 32 | 65 | 35 | 53 | 24 | 52 | 24 | 50 | 32 | 61 | 28 | 56 | 23 | 50 | 24 | 55 | 28 | | |
| 3..... | 51 | 34 | 47 | 40 | 53 | 21 | 60 | 35 | 61 | 40 | 66 | 31 | 63 | 45 | 57 | 26 | 49 | 26 | 57 | 34 | 61 | 31 | 59 | 32 | 58 | 20 | 52 | 37 | | |
| 4..... | 47 | 27 | 50 | 32 | 55 | 35 | 62 | 41 | 52 | 24 | 67 | 35 | 61 | 50 | 61 | 33 | 48 | 34 | 60 | 46 | 59 | 40 | 62 | 35 | 61 | 39 | 51 | 30 | | |
| 5..... | 51 | 35 | 52 | 35 | 64 | 25 | 74 | 41 | 60 | 28 | 76 | 39 | 75 | 44 | 66 | 35 | 54 | 28 | 69 | 42 | 72 | 40 | 72 | 33 | 65 | 29 | 64 | 39 | | |
| 6..... | 64 | 32 | 72 | 31 | 69 | 29 | 83 | 48 | 68 | 28 | 87 | 44 | 83 | 43 | 73 | 34 | 54 | 30 | 77 | 42 | 80 | 28 | 82 | 45 | 73 | 31 | 74 | 32 | | |
| 7..... | 71 | 42 | 76 | 37 | 73 | 31 | 78 | 55 | 74 | 34 | 85 | 50 | 83 | 46 | 73 | 45 | 74 | 48 | 80 | 50 | 87 | 51 | 76 | 38 | 76 | 38 | 76 | 38 | | |
| 8..... | 65 | 44 | 65 | 46 | 75 | 33 | 76 | 48 | 62 | 44 | 82 | 46 | 85 | 60 | 70 | 41 | 70 | 42 | 75 | 46 | 79 | 44 | 79 | 46 | 75 | 47 | 72 | 48 | | |
| 9..... | 65 | 40 | 70 | 48 | 74 | 30 | 74 | 54 | 60 | 45 | 80 | 50 | 85 | 53 | 72 | 38 | 68 | 40 | 78 | 43 | 79 | 42 | 76 | 51 | 77 | 38 | 60 | 42 | | |
| 10..... | 62 | 37 | 67 | 36 | 73 | 31 | 70 | 45 | 53 | 35 | 77 | 45 | 67 | 47 | 70 | 45 | 64 | 44 | 69 | 46 | 72 | 37 | 72 | 42 | 72 | 39 | 65 | 39 | | |
| 11..... | 60 | 38 | 59 | 42 | 63 | 34 | 64 | 41 | 60 | 37 | 74 | 38 | 68 | 48 | 65 | 35 | 65 | 34 | 63 | 45 | 70 | 38 | 66 | 38 | 73 | 39 | 58 | 42 | | |
| 12..... | 59 | 31 | 62 | 36 | 63 | 33 | 65 | 45 | 52 | 32 | 78 | 45 | 59 | 46 | 64 | 35 | 62 | 46 | 64 | 41 | 70 | 41 | 70 | 42 | 56 | 37 | 57 | 33 | | |
| 13..... | 59 | 39 | 64 | 42 | 56 | 32 | 58 | 40 | 62 | 34 | 65 | 45 | 63 | 45 | 51 | 36 | 52 | 32 | 52 | 38 | 60 | 42 | 58 | 37 | 52 | 36 | 52 | 39 | | |
| 14..... | 55 | 33 | 58 | 30 | 52 | 38 | 65 | 35 | 50 | 35 | 70 | 34 | 61 | 39 | 57 | 30 | 54 | 25 | 60 | 36 | 67 | 24 | 63 | 30 | 54 | 32 | 50 | 32 | | |
| 15..... | 54 | 37 | 58 | 39 | 66 | 31 | 63 | 48 | 52 | 38 | 75 | 47 | 66 | 48 | 58 | 32 | 58 | 38 | 64 | 49 | 68 | 41 | 67 | 40 | 57 | 41 | 55 | 37 | | |
| 16..... | 47 | 35 | 57 | 34 | 58 | 34 | 62 | 40 | 54 | 32 | 69 | 44 | 65 | 41 | 57 | 31 | 59 | 29 | 61 | 48 | 64 | 37 | 64 | 40 | 59 | 39 | 58 | 36 | | |
| 17..... | 58 | 33 | 57 | 30 | 62 | 33 | 67 | 48 | 52 | 41 | 77 | 44 | 61 | 43 | 60 | 38 | 55 | 38 | 69 | 44 | 67 | 31 | 74 | 45 | 62 | 37 | 57 | 31 | | |
| 18..... | 55 | 41 | 48 | 43 | 64 | 31 | 58 | 44 | 53 | 38 | 75 | 50 | 58 | 49 | 57 | 40 | 56 | 38 | 56 | 39 | 60 | 44 | 59 | 47 | 53 | 42 | 45 | 43 | | |
| 19..... | 58 | 38 | 56 | 41 | 44 | 32 | 63 | 40 | 60 | 38 | 69 | 43 | 62 | 48 | 55 | 35 | 58 | 33 | 56 | 36 | 59 | 41 | 65 | 37 | 51 | 36 | 56 | 42 | | |
| 20..... | 62 | 41 | 58 | 42 | 55 | 36 | 66 | 47 | 62 | 39 | 73 | 50 | 69 | 44 | 56 | 37 | 66 | 38 | 57 | 45 | 66 | 42 | 66 | 46 | 49 | 37 | 59 | 42 | | |
| 21..... | 65 | 36 | 70 | 32 | 60 | 32 | 76 | 47 | 70 | 35 | 82 | 50 | 77 | 44 | 68 | 35 | 71 | 28 | 66 | 40 | 76 | 33 | 76 | 36 | 62 | 35 | 70 | 35 | | |
| 22..... | 73 | 38 | 78 | 38 | 70 | 30 | 84 | 49 | 75 | 41 | 88 | 45 | 86 | 47 | 68 | 34 | 78 | 32 | 76 | 45 | 83 | 33 | 84 | 46 | 70 | 36 | 78 | 39 | | |
| 23..... | 68 | 45 | 67 | 42 | 73 | 32 | 82 | 59 | 76 | 41 | 90 | 54 | 79 | 55 | 64 | 33 | 72 | 40 | 79 | 51 | 82 | 37 | 85 | 49 | 76 | 43 | 76 | 43 | | |
| 24..... | 76 | 42 | 77 | 40 | 74 | 35 | 82 | 56 | 77 | 46 | 80 | 52 | 84 | 49 | 72 | 39 | 76 | 38 | 79 | 48 | 81 | 41 | 85 | 49 | 74 | 44 | 79 | 42 | | |
| 25..... | 77 | 48 | 80 | 44 | 74 | 43 | 84 | 54 | 70 | 45 | 89 | 54 | 84 | 54 | 75 | 40 | 76 | 38 | 80 | 50 | 87 | 46 | 84 | 50 | 74 | 40 | 78 | 44 | | |
| 26..... | 81 | 44 | 87 | 42 | 81 | 40 | 94 | 58 | 66 | 45 | 95 | 55 | 89 | 53 | 72 | 44 | 85 | 39 | 85 | 54 | 91 | 40 | 91 | 53 | 82 | 44 | 85 | 43 | | |
| 27..... | 69 | 53 | 82 | 56 | 75 | 44 | 82 | 57 | 67 | 47 | 80 | 65 | 75 | 59 | 73 | 46 | 73 | 51 | 82 | 57 | 87 | 52 | 90 | 52 | 80 | 51 | 75 | 54 | | |
| 28..... | 68 | 50 | 74 | 48 | 77 | 49 | 72 | 53 | 64 | 51 | 80 | 52 | 64 | 50 | 75 | 44 | 60 | 58 | 80 | 53 | 85 | 45 | 84 | 49 | 74 | 48 | 58 | 52 | | |
| 29..... | 73 | 50 | 74 | 54 | 76 | 40 | 77 | 48 | 72 | 44 | 77 | 50 | 74 | 46 | 70 | 42 | 62 | 47 | 72 | 53 | 78 | 44 | 74 | 44 | 76 | 46 | 71 | 43 | | |
| 30..... | 75 | 43 | 80 | 40 | 77 | 40 | 80 | 49 | 78 | 41 | 85 | 51 | 83 | 47 | 75 | 47 | 71 | 40 | 78 | 51 | 84 | 43 | 82 | 46 | 80 | 45 | 79 | 39 | | |
| 31..... | 80 | 47 | 84 | 42 | 69 | 33 | 83 | 58 | 82 | 45 | 88 | 52 | 91 | 50 | 74 | 46 | 73 | 45 | 82 | 46 | 88 | 49 | 85 | 48 | 80 | 46 | 84 | 44 | | |
| Mns..... | 62.9 | 38.9 | 65.5 | 39.4 | 64.7 | 33.2 | 71.5 | 46.6 | 63.0 | 37.9 | 77.6 | 45.7 | 71.7 | 47.3 | 65.0 | 37.0 | 63.3 | 37.0 | 68.6 | 44.6 | 73.4 | 38.7 | 73.0 | 41.8 | 66.0 | 38.4 | 64.4 | 39.2 | 39.2 | |

| Date. | Weston Idaho. | | Washington. | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---------------|------|-------------|------|---------|------|-----------|------|---------|------|-----------|------|-------------|------|---------------|------|---------|------|----------------|------|----------|------|-----------|-------|----------|------|---------|------|
| | | | Aberdeen. | | Blaine. | | Colville. | | Kosmos. | | Lakeside. | | North Head. | | North Yakima. | | Odessa. | | Port Crescent. | | Seattle. | | Sixprong. | | Spokane. | | Tacoma. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 49 | 31 | 54 | 41 | 56 | 42 | 56 | 24 | 48 | 35 | 61 | 37 | 47 | 42 | 60 | 34 | 58 | 26 | 51 | 41 | 52 | 42 | ..... | ..... | 53 | 36 | 51 | 40 |
| 2..... | 52 | 26 | 56 | 44 | 54 | 44 | 64 | 27 | 60 | 39 | 67 | 42 | 50 | 45 | 71 | 32 | 63 | 28 | 50 | 40 | 55 | 44 | ..... | ..... | 58 | 35 | 57 | 42 |
| 3..... | 59 | 21 | 56 | 46 | 54 | 46 | 61 | 30 | 50 | 42 | 63 | 42 | 49 | 46 | 68 | 43 | 64 | 39 | 50 | 43 | 51 | 45 | ..... | ..... | 59 | 38 | 54 | 45 |
| 4..... | 60 | 32 | 57 | 40 | 55 | 41 | 59 | 27 | 68 | 48 | 64 | 36 | 53 | 45 | 66 | 41 | 61 | 31 | 49 | 38 | 55 | 42 | ..... | ..... | 55 | 35 | 55 | 42 |
| 5..... | 72 | 29 | 70 | 34 | 58 | 34 | 70 | 28 | 84 | 35 | 68 | 41 | 54 | 45 | 70 | 40 | 68 | 38 | 57 | 30 | 60 | 45 | ..... | ..... | 65 | 37 | 60 | 44 |
| 6..... | 78 | 32 | 82 | 40 | 64 | 32 | 78 | 30 | 76 | 32 | 76 | 41 | 60 | 49 | 78 | 41 | 78 | 36 | 64 | 40 | 67 | 46 | ..... | ..... | 73 | 40 | 67 | 45 |
| 7..... | 80 | 37 | 80 | 50 | 64 | 38 | 82 | 37 | 70 | 38 | 75 | 46 | 53 | 45 | 80 | 48 | 82 | 39 | 56 | 39 | 60 | 45 | ..... | ..... | 79 | 44 | 61 | 45 |
| 8..... | 79 | 40 | 58 | 38 | 59 | 47 | 73 | 52 | 63 | 44 | 69 | 53 | 56 | 51 | 80 | 54 | 80 | 57 | 57 | 44 | 60 | 51 | ..... | ..... | 75 | 56 | 59 | 50 |
| 9..... | 79 | 37 | 60 | 45 | 56 | 48 | 65 | 49 | 55 | 46 | 62 | 50 | 56 | 51 | 70 | 52 | 72 | 50 | 54 | 41 | 58 | 48 | ..... | ..... | 58 | 50 | 57 | 44 |
| 10..... | 77 | 36 | 54 | 47 | 60 | 44 | 64 | 46 | 55 | 39 | 59 | 41 | 52 | 47 | 64 | 43 | 59 | 37 | 57 | 40 | 56 | 47 | ..... | ..... | 50 | 45 | 57 | 46 |
| 11..... | 70 | 48 | 60 | 46 | 59 | 46 | 66 | 45 | 55 | 42 | 65 | 42 | 53 | 46 | 64 | 38 | 64 | 39 | 54 | 41 | 57 | 46 | ..... | ..... | 61 | 44 | 57 | 46 |
| 12..... | 67 | 38 | 58 | 41 | 59 | 45 | 61 | 43 | 57 | 43 | 66 | 44 | 52 | 48 | 68 | 37 | 62 | 42 | 52 | 38 | 57 | 45 | ..... | ..... | 59 | 43 | 57 | 45 |
| 13..... | 65 | 38 | 60 | 44 | 59 | 41 | 62 | 42 | 58 | 40 | 68 | 42 | 53 | 47 | 68 | 38 | 62 | 33 | 52 | 36 | 56 | 44 | ..... | ..... | 55 | 41 | 58 | 42 |
| 14..... | 64 | 28 | 61 | 44 | 56 | 44 | 57 | 38 | 53 | 43 | 66 | 47 | 50 | 48 | 64 | 45 | 60 | 40 | 52 | 42 | 54 | 46 | ..... | ..... | 52 | 40 | 55 | 45 |
| 15..... | 66 | 34 | 57 | 44 | 58 | 45 | 60 | 37 | 65 | 40 | 66 | 40 | 52 | 47 | 69 | 40 | 66 | 40 | 55 | 40 | 57 | 47 | ..... | ..... | 62 | 42 | 57 | 46 |
| 16..... | 77 | 46 | 63 | 38 | 57 | 46 | 65 | 30 | 56 | 42 | 70 | 39 | 52 | 45 | 68 | 37 | 64 | 34 | 54 | 36 | 58 | 44 | ..... | ..... | 62 | 38 | 58 | 43 |
| 17..... | 75 | 39 | 65 | 43 | 59 | 36 | 64 | 30 | 55 | 45 | 63 | 43 | 56 | 50 | 65 | 42 | 61 | 37 | 59 | 35 | 58 | 46 | ..... | ..... | 60 | | | |

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1913. District No. 12—Continued.

| Date. | Washington. | | | | Oregon. | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------------|------|--------------|------|----------|------|--------|------|---------|------|-------------|-------|------------|------|-------------|------|-----------|------|-------------|-------|-----------|------|-------------|------|-------|------|-------|-------|
| | Tatoosh Island. | | Walla Walla. | | Ashland. | | Baker. | | Eugene. | | Gold Beach. | | Hermiston. | | Marshfield. | | Portland. | | Prineville. | | Roseburg. | | The Dalles. | | Vale. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1..... | 48 | 42 | 58 | 38 | 55 | 35 | 47 | 27 | 72 | 34 | ..... | ..... | 64 | 40 | 57 | 34 | 51 | 41 | ..... | ..... | 54 | 37 | 61 | 38 | 59 | 34 | ..... | ..... |
| 2..... | 50 | 44 | 64 | 40 | 63 | 31 | 54 | 33 | 70 | 36 | ..... | ..... | 70 | 33 | 59 | 32 | 61 | 46 | ..... | ..... | 66 | 33 | 69 | 41 | 64 | 32 | ..... | ..... |
| 3..... | 49 | 44 | 61 | 46 | 67 | 38 | 54 | 35 | 75 | 34 | ..... | ..... | 70 | 49 | 61 | 45 | 61 | 47 | ..... | ..... | 65 | 41 | 67 | 49 | 72 | 37 | ..... | ..... |
| 4..... | 50 | 43 | 63 | 44 | 72 | 40 | 55 | 37 | 78 | 38 | ..... | ..... | 75 | 40 | 66 | 37 | 62 | 44 | ..... | ..... | 71 | 47 | 68 | 43 | 75 | 35 | ..... | ..... |
| 5..... | 52 | 40 | 72 | 45 | 79 | 44 | 70 | 34 | 82 | 42 | ..... | ..... | 76 | 37 | 71 | 39 | 73 | 46 | ..... | ..... | 79 | 40 | 74 | 40 | 80 | 34 | ..... | ..... |
| 6..... | 57 | 45 | 81 | 50 | 82 | 48 | 77 | 39 | 75 | 40 | ..... | ..... | 83 | 35 | 62 | 44 | 84 | 50 | ..... | ..... | 86 | 47 | 81 | 42 | 86 | 38 | ..... | ..... |
| 7..... | 52 | 47 | 78 | 55 | 76 | 55 | 73 | 45 | 68 | 32 | ..... | ..... | 82 | 39 | 64 | 48 | 89 | 50 | ..... | ..... | 72 | 48 | 80 | 49 | 85 | 47 | ..... | ..... |
| 8..... | 55 | 46 | 83 | 55 | 67 | 46 | 72 | 44 | 69 | 33 | ..... | ..... | 84 | 48 | 60 | 45 | 62 | 52 | ..... | ..... | 64 | 40 | 76 | 53 | 81 | 44 | ..... | ..... |
| 9..... | 52 | 45 | 64 | 51 | 64 | 41 | 63 | 48 | 70 | 37 | ..... | ..... | 72 | 42 | 62 | 45 | 65 | 50 | ..... | ..... | 64 | 47 | 68 | 50 | 71 | 50 | ..... | ..... |
| 10..... | 51 | 46 | 62 | 46 | 61 | 45 | 60 | 40 | 72 | 40 | ..... | ..... | 71 | 41 | 60 | 48 | 59 | 50 | ..... | ..... | 62 | 49 | 63 | 46 | 73 | 42 | ..... | ..... |
| 11..... | 50 | 47 | 67 | 47 | 60 | 36 | 59 | 35 | 73 | 42 | ..... | ..... | 72 | 39 | 55 | 46 | 55 | 47 | ..... | ..... | 62 | 47 | 67 | 41 | 68 | 32 | ..... | ..... |
| 12..... | 52 | 45 | 61 | 46 | 55 | 40 | 49 | 39 | 70 | 34 | ..... | ..... | 70 | 46 | 60 | 46 | 62 | 48 | ..... | ..... | 59 | 45 | 67 | 43 | 70 | 40 | ..... | ..... |
| 13..... | 52 | 44 | 61 | 45 | 57 | 40 | 51 | 33 | 64 | 30 | ..... | ..... | 65 | 41 | 60 | 42 | 60 | 45 | ..... | ..... | 62 | 42 | 67 | 41 | 65 | 41 | ..... | ..... |
| 14..... | 50 | 44 | 61 | 46 | 63 | 37 | 58 | 29 | 60 | 31 | ..... | ..... | 64 | 45 | 58 | 38 | 54 | 47 | ..... | ..... | 63 | 42 | 62 | 46 | 68 | 27 | ..... | ..... |
| 15..... | 52 | 44 | 65 | 47 | 65 | 41 | 62 | 40 | 68 | 34 | ..... | ..... | 64 | 43 | 55 | 48 | 60 | 47 | ..... | ..... | 63 | 48 | 67 | 44 | 72 | 47 | ..... | ..... |
| 16..... | 56 | 46 | 65 | 43 | 70 | 42 | 56 | 33 | 70 | 36 | ..... | ..... | 70 | 41 | 66 | 37 | 62 | 41 | ..... | ..... | 66 | 43 | 69 | 43 | 69 | 40 | ..... | ..... |
| 17..... | 57 | 46 | 61 | 45 | 71 | 43 | 59 | 43 | 72 | 40 | ..... | ..... | 71 | 40 | 54 | 49 | 56 | 49 | ..... | ..... | 58 | 48 | 67 | 50 | 69 | 48 | ..... | ..... |
| 18..... | 53 | 49 | 54 | 47 | 61 | 42 | 50 | 35 | 75 | 41 | ..... | ..... | 69 | 41 | 59 | 42 | 61 | 49 | ..... | ..... | 63 | 47 | 68 | 48 | 62 | 47 | ..... | ..... |
| 19..... | 56 | 48 | 62 | 47 | 65 | 39 | 54 | 35 | 77 | 38 | ..... | ..... | 70 | 45 | 60 | 37 | 65 | 46 | ..... | ..... | 68 | 43 | 72 | 44 | 70 | 35 | ..... | ..... |
| 20..... | 56 | 48 | 71 | 49 | 71 | 45 | 62 | 39 | 69 | 32 | ..... | ..... | 75 | 37 | 63 | 36 | 71 | 46 | ..... | ..... | 74 | 44 | 77 | 42 | 75 | 49 | ..... | ..... |
| 21..... | 54 | 49 | 78 | 51 | 77 | 46 | 72 | 36 | 78 | 50 | ..... | ..... | 82 | 40 | 64 | 47 | 76 | 47 | ..... | ..... | 75 | 41 | 80 | 48 | 79 | 38 | ..... | ..... |
| 22..... | 59 | 49 | 82 | 57 | 79 | 49 | 80 | 42 | 76 | 48 | ..... | ..... | 85 | 43 | 65 | 44 | 76 | 49 | ..... | ..... | 82 | 43 | 85 | 53 | 87 | 38 | ..... | ..... |
| 23..... | 56 | 48 | 82 | 60 | 79 | 41 | 73 | 51 | 78 | 44 | ..... | ..... | 87 | 53 | 65 | 50 | 73 | 54 | ..... | ..... | 80 | 49 | 86 | 53 | 86 | 55 | ..... | ..... |
| 24..... | 54 | 48 | 81 | 57 | 80 | 49 | 74 | 40 | 76 | 40 | ..... | ..... | 86 | 47 | 64 | 41 | 76 | 50 | ..... | ..... | 80 | 45 | 84 | 52 | 85 | 52 | ..... | ..... |
| 25..... | 56 | 48 | 83 | 60 | 80 | 50 | 79 | 44 | 78 | 46 | ..... | ..... | 88 | 50 | 74 | 40 | 80 | 53 | ..... | ..... | 86 | 44 | 85 | 56 | 95 | 49 | ..... | ..... |
| 26..... | 56 | 48 | 87 | 61 | 83 | 54 | 84 | 48 | 76 | 42 | ..... | ..... | 79 | 46 | 70 | 51 | 66 | 58 | ..... | ..... | 77 | 52 | 87 | 56 | 92 | 46 | ..... | ..... |
| 27..... | 57 | 48 | 70 | 54 | 67 | 47 | 75 | 52 | 78 | 44 | ..... | ..... | 80 | 47 | 58 | 50 | 59 | 53 | ..... | ..... | 62 | 50 | 77 | 55 | 86 | 60 | ..... | ..... |
| 28..... | 55 | 48 | 66 | 55 | 55 | 44 | 59 | 48 | 75 | 40 | ..... | ..... | 83 | 47 | 60 | 45 | 68 | 50 | ..... | ..... | 60 | 48 | 71 | 54 | 72 | 58 | ..... | ..... |
| 29..... | 56 | 47 | 74 | 49 | 71 | 42 | 66 | 42 | 76 | 42 | ..... | ..... | 83 | 48 | 60 | 38 | 72 | 45 | ..... | ..... | 72 | 42 | 78 | 51 | 78 | 50 | ..... | ..... |
| 30..... | 55 | 49 | 84 | 52 | 80 | 44 | 75 | 45 | 82 | 42 | ..... | ..... | 87 | 41 | 62 | 45 | 76 | 52 | ..... | ..... | 82 | 44 | 87 | 52 | 87 | 52 | ..... | ..... |
| 31..... | 60 | 49 | 88 | 58 | 88 | 50 | 80 | 49 | 84 | 46 | ..... | ..... | 92 | 41 | 67 | 48 | 84 | 57 | ..... | ..... | 88 | 51 | 90 | 56 | 89 | 55 | ..... | ..... |
| Mns..... | 53.8 | 46.3 | 70.6 | 49.9 | 69.8 | 43.4 | 64.6 | 40.0 | 73.7 | 39.0 | ..... | ..... | 76.4 | 42.7 | 62.0 | 43.1 | 66.4 | 48.7 | ..... | ..... | 69.8 | 45.0 | 74.2 | 47.7 | 76.5 | 43.6 | ..... | ..... |

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.
 §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

WEATHER, FORECASTS AND WARNINGS.

By H. C. FRANKENFIELD, Professor of Meteorology.

NORTHERN HEMISPHERE PRESSURE DISTRIBUTION.

Over the United States and the Canadian Northwest, excluding Alaska, pressure was generally high during the first decade of the month. After that time there was a rapid alternation of moderate areas of high and low pressure, none of much consequence, except the final development of a severe storm off the coast of Nova Scotia on the morning of the 30th, when the barometer at Halifax, Nova Scotia, read 28.82 inches. Over Alaska, except on the 1st, pressure was also high during the first decade of the month, and generally low thereafter with only a moderate high area about the middle of the month.

Over the central and southern portions of the western Atlantic Ocean, pressure above the normal prevailed throughout the month and also over the corresponding latitudes to the eastward, except between the 7th and 10th.

Over Iceland low pressure during the first week of the month was followed by the opposite condition during the second week with the high pressure strongly marked on the 12th, 13th, and 14th. After the middle of the month moderately low pressure was the rule. Similar conditions prevailed in a general way over the northern portions of the British Isles, but over the southern portion low pressure prevailed until the 12th with marked minima on the 8th and 9th, and after the 12th moderately high pressure prevailed until the 29th.

Over western continental Europe pressure was low during the first decade of the month and again on the 17th and 18th. During the remainder of the month it was comparatively high. Over eastern Europe moderately high pressure predominated, except over southern Russia, where it was low during the first decade. The conditions over western Siberia were in the main similar to those over eastern Europe, except that over the former area low pressure was the rule during the last week of the month. Over central Siberia pressure above the normal was general and there were at least seven well-defined crests. Nearer the Pacific, in eastern Siberia, eastern China, Japan, and the Philippine Islands low pressure predominated after the first few days of the month, with the best defined types between the 10th and 15th, except over the Philippines, where they were about four days earlier.

Over the middle latitudes of the Pacific Ocean low pressure was the rule, while over the northern ocean it was generally high during the first half of the month and low the second half.

WEATHER IN THE UNITED STATES.

At the beginning of the month pressure was high over the eastern half of the country and low over the western half, except in North Dakota, Montana, and the North Pacific States. There had been showers in the Northwest followed by a decided fall in temperature to the freezing point or lower, while over the remainder of the country the weather had been clear and warm except in the Atlantic and Gulf States where temperatures were moderately low. The principal barometric depression was over the middle Plateau with a narrow trough of low pressure running northeastward to a secondary center over eastern Minnesota. Twenty-four hours later the main center was over northern New Mexico with the

trough still trending northeastward, while the crest of the high pressure had settled down over the South Atlantic States. Good rains had fallen in Nebraska and light rains and snows in Wyoming and the Northwest, while over the remainder of the country clear weather continued to prevail. It was much warmer in the East and South, but quite cold in the West. There was very little movement on the part of the western low area, and on the morning of the 3d the narrow trough extended from the Texas Panhandle to eastern Minnesota, with a low at each end. In the meantime another low of marked proportions had moved eastward over the Canadian Northwest and was central over Manitoba. Pressure continued high in the Southeast and on the north Pacific coast, and thundershowers had occurred over the sections covered by the United States depression, but there were no others of consequence. Temperatures continued to rise in the East and were considerably above the seasonal average, while in the West they remained low with heavy to killing frosts in the Northwest, including Wyoming and western Nebraska. The western depression was much the same on the 4th, but the rain had extended into Texas, the upper Mississippi Valley, and the upper Lake region, and had fallen in greater quantity. At the same time the Manitoba low area had greatly subsided. Temperatures were now abnormally high over the East, and although still low were once more rising over the West except over the rain areas.

It should be noted at this time that a high area that on the morning of the 2d was over eastern Manitoba in moderate form had continued to move eastward, but without increase in intensity until the evening of the 3d, when it was over the lower St. Lawrence Valley. On the morning of the 4th strong high pressure prevailed over the Northeast and extended southwestward through the Atlantic and east Gulf States and the Ohio Valley. The same general conditions persisted until the morning of the 6th, when the disturbance was over Ontario and an area of high pressure of considerable magnitude had descended upon the western portion of the country, with a corresponding pressure decrease over the East and South and the western Atlantic Ocean. Pressure continued to fall over the extreme East, and by the morning of the 7th showers and thunderstorms had occurred over New England, the Middle Atlantic States, and the Ohio Valley. The high area was attended by low temperatures and frosts and on the 6th a special bulletin was issued announcing the termination within 36 hours of the warm wave then prevailing over the East. The high area moved eastward, and by the morning of the 8th had reached the upper St. Lawrence Valley attended by heavy frosts from that section westward, and comparatively low temperatures prevailed over the entire eastern half of the country.

In the meantime (the evening of the 6th) another extensive high area had appeared in the extreme Northwest, but irregular and disturbed conditions prevailed to the eastward and southward with unsettled and showery weather that continued until the night of the 9th, by which time the crest of the high area was over northwestern Minnesota and pressure was generally high over the interior except in the Plateau region. On the morning of the 10th heavy to killing frosts occurred

throughout the Lake region and temperatures much below the seasonal average prevailed over the eastern half of the country, except in the South. Frosts again occurred on the morning of the 11th over the Lake region and extended into the Ohio Valley and portions of the middle Atlantic States. On the following morning (12th) the crest of the high area was over Virginia with much diminished strength and frosts occurred in the upper Ohio Valley, the lower Lake region, and the Middle Atlantic States, including Virginia. In the Middle Atlantic States great damage was done to growing fruits and vegetables by the frost of the 12th, while those of the 10th caused considerable loss of fruit in the upper Lake region. It will be noticed that frosts were persistent over much of the northern portion of the country, especially over the North Pacific States and the extreme Northwest, and practically all, including, of course, those of the central and eastern portions of the country, were forecast at the proper time.

During the 9th a low appeared over British Columbia. It moved eastward attended by showers in its immediate vicinity and by the evening of the 12th it had reached Lake Superior, causing some moderately high winds for which storm warnings had previously been ordered. In the meantime another well-defined disturbance had developed over the middle Plateau. The northern disturbance continued eastward with decreasing intensity and passed beyond the Gulf of St. Lawrence during the 14th without other effect than local showers east of the upper Lakes. The middle Plateau disturbance, however, was of more pronounced type and with a high pressure area to the northward and westward caused general, although not heavy, rains from the Missouri Valley westward, beginning during the night of the 12th. By the 14th the storm center was over Kansas, and the rains had extended into the greater portion of the Lake region. The high area to the northward had increased materially in strength with its crest over Lake Superior. Pressure was also high over the Atlantic Ocean and a narrow area of moderate depression between the two highs had caused rains in the southern portion of the Middle Atlantic States. Rains had also continued in the West and Northwest and cold weather prevailed over the North and West, with freezing temperatures over the northern upper Lake region, the Northwest and the extreme West. Warnings of frost or freezing temperatures had previously been issued. On the morning of the 15th the center of disturbance was over southeastern Minnesota, with a narrow trough running southwestward into Texas. Rains continued in the central west and had extended lightly into the eastern lower Lake region and the Middle Atlantic States, while the high area had moved to the St. Lawrence Valley, where frosts occurred. After this time the low lost its definite formation and drifted eastward and south-eastward with diminishing intensity, passing off the New Jersey coast during the night of the 16th and leaving a slight secondary depression over Virginia and western North Carolina that passed off the coast during the 18th. The rains reached the coast States during the night of the 15th, extending southward to the Gulf of Mexico, and did not cease until the North Carolina depression had disappeared.

While the last depression was disintegrating, another was moving in from the Canadian Northwest, and by the morning of the 16th it had reached the Northern Plains States with a moderate high area over the North Pacific States. Thus far only light and scattered showers had attended the depression, but by the morning of the 17th

there was a well-defined disturbance over Lake Superior and a secondary one over Oklahoma. Rain was falling from the Missouri Valley northeastward, and the north Pacific high area had reached the Northwestern States accompanied by a decided fall in temperature, while another low had made its appearance over Nevada. The Lake Superior low drifted eastward attended by local showers, and its intensity diminished for a time, but there was a renewal after the St. Lawrence Valley was reached, and on the 19th it passed into the ocean as a pronounced disturbance. The high area following moved slowly eastward attended by lower temperatures, and by frosts from North Dakota eastward over the Lake region and the north Atlantic States, the frosts occurring over the latter section on the morning of the 20th. Warnings for these frosts were invariably issued on the day previous to their occurrence.

On the 17th pressure was generally low from Kansas and Oklahoma westward, with the principal center of depression over western Colorado and secondary ones over Oklahoma and southwestern Nevada. At this time the low last discussed was over Lake Superior, and pressure was high to the northwestward with rather low temperatures, but there had been no precipitation worthy of mention over the West, except in the lower Missouri Valley. By the morning of the 18th the Nevada low had moved a little to the eastward, while the others had disappeared. Rains, however, had fallen over the middle and northern districts from the Rocky Mountains westward, and there had also been local showers over Montana, South Dakota, and the Middle West generally, including the Great Central Valleys. The high area over the Northwest had increased in magnitude and was central over the Dakotas attended by low temperatures over the Northwest and some heavy frosts in North Dakota. On the morning of the 19th the western storm was central over southeastern Wyoming with increased energy, with the cold high area immediately to the northward, and substantial rains had fallen over the northern States from the Dakotas westward, with some snow over portions of North Dakota. There had also been rains in Utah and showers in the lower Missouri Valley.

The high and low areas continued eastward, maintaining their same relative positions, until by the morning of the 21st the low was central over eastern Iowa and the high area had reached New England. Rains had continued in the West and had extended into the South and East as far as the Atlantic States. A storm warning on the night of the 19th for Lakes Michigan and Superior failed of verification, although brisk winds occurred. Temperatures had risen in advance of the low area, and while remaining low in the Northwest had fallen decidedly in the central Plains States and the Missouri Valley. During the next two days the center of the low area moved to the lower St. Lawrence Valley with decreasing intensity, but in the meantime a low area that had appeared over New Mexico on the 20th had moved to extreme northwestern Florida, and on the morning of the 23d a narrow trough of low pressure joined the two depressions. A moderate high area followed, but it was not until the night of the 24th that the disturbance passed into the Atlantic Ocean.

While this disturbance was passing away, changes had been rapid in the interior. The high area of the 23d was over the Ohio Valley and the South on the morning of the 25th, while another of greater magnitude was over the upper Lakes. It had moved from the Canadian Northwest, accompanied by a marked fall in temperature, and on the morning of the 25th heavy and killing frosts

were reported over the Michigan Peninsula. The high areas continued eastward, attended by frosts over the northern districts from northern Michigan eastward into interior New York. In the rear of the last high area a low followed, which had appeared in the West during the 23d. Until it reached the Atlantic Coast its behavior was very similar to that of its immediate predecessor, but on the morning of the 28th the disturbance extended in trough shape from the Carolinas to New York with a center at each end, while a strong high area (30.40 inches) had developed over the north Atlantic Ocean. On the following morning there was but a single center off the New England coast but with lower barometer readings, and the weather had cleared in the Atlantic States, except in Maine. The high area to the northeastward had disappeared, and pressure was also generally low over the interior of the country. On the morning of the 30th the barometer at Halifax read 28.82 inches, a fall of nearly three-quarters of an inch in 24 hours, but no high winds of consequence were reported at coast stations in the United States. Along the Nova Scotia coast, however, the winds were reported to have caused considerable damage. By the close of the month the last traces of the storm had vanished. Pressure rose but little in the rear of this storm, but it was followed by a considerable fall in temperature over all districts east of the Mississippi River.

Pressure was low over the Canadian Northwest from the 24th to the 28th, inclusive, but without incident until the morning of the 27th, when the pressure fall also covered the northwestern portion of the United States and another low of fair proportions covered the Plateau and the Pacific States. Occasional thunderstorms resulted from the Rocky Mountains westward to the ocean, with low temperatures, while to the eastward as far as the Allegheny Mountains clear weather prevailed, and temperatures were abnormally high throughout the Plains States, the Great Central Valleys, and the South. The western low areas moved eastward during the 28th, but on the morning of the 29th and thereafter until the close of the month not much of them remained, except a few moderate depressions that at intervals caused local showers in the Central Valleys and the Middle and South Atlantic States, reaching the latter section during the 31st. At the end of the month barometric conditions were unsettled throughout the country but without much precipitation. Temperatures continued high over the interior States east of the Rocky Mountains and had risen to the westward, except in the middle Plateau.

Average temperatures and departures from the normal.

| Districts. | Number of stations. | Average temperatures for the current month. | Departures for the current month. | Accumulated departures since Jan. 1. | Average departures since Jan. 1. |
|--------------------------------------|---------------------|---------------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|
| New England..... | 12 | 53.1 | -1.5 | +14.6 | +2.9 |
| Middle Atlantic..... | 15 | 61.8 | +0.3 | +19.9 | +4.0 |
| South Atlantic..... | 10 | 70.8 | +1.0 | +15.4 | +3.1 |
| Florida Peninsula ¹ | 8 | 75.0 | -1.2 | +11.2 | +2.2 |
| East Gulf..... | 11 | 72.1 | -0.1 | +5.2 | +1.0 |
| West Gulf..... | 11 | 72.3 | -0.6 | -5.0 | -1.0 |
| Ohio Valley and Tennessee..... | 14 | 65.1 | 0.0 | +7.3 | +1.5 |
| Lower Lakes..... | 11 | 56.2 | -1.3 | +9.1 | +1.8 |
| Upper Lakes..... | 13 | 51.7 | -1.1 | -0.6 | -0.1 |
| North Dakota ¹ | 9 | 51.1 | -2.3 | -3.3 | -0.7 |
| Upper Mississippi Valley..... | 14 | 61.4 | -0.4 | +2.2 | +0.4 |
| Missouri Valley..... | 12 | 61.7 | -0.2 | +2.8 | +0.6 |
| Northern slope..... | 9 | 52.7 | -0.3 | -9.0 | -1.8 |
| Middle slope..... | 6 | 65.0 | +2.2 | -3.5 | -0.7 |
| Southern slope ¹ | 8 | 71.2 | +1.7 | -6.4 | -1.3 |
| Southern Plateau ¹ | 8 | 66.4 | -0.6 | -14.5 | -2.9 |
| Middle Plateau ¹ | 10 | 56.8 | +1.6 | -6.0 | -1.2 |
| Northern Plateau ¹ | 10 | 55.4 | +0.6 | -11.4 | -2.3 |
| North Pacific..... | 7 | 53.1 | 0.0 | -5.2 | -1.0 |
| Middle Pacific..... | 7 | 58.5 | +0.9 | -3.1 | -0.6 |
| South Pacific..... | 4 | 61.7 | -0.1 | +2.2 | +0.4 |

¹ Regular Weather Bureau and selected cooperative stations.

Average precipitation and departures from the normal.

| Districts. | Number of stations. | Average. | | Departure. | |
|--------------------------------------|---------------------|----------------|-----------------------|----------------|---------------------------|
| | | Current month. | Percentage of normal. | Current month. | Accumulated since Jan. 1. |
| New England..... | 11 | 2.76 | 82 | -0.60 | -0.30 |
| Middle Atlantic..... | 15 | 3.83 | 108 | +0.30 | -0.20 |
| South Atlantic..... | 11 | 2.29 | 60 | -1.50 | -0.70 |
| Florida Peninsula ¹ | 9 | 3.26 | 80 | -0.80 | +1.30 |
| East Gulf..... | 11 | 3.38 | 97 | -0.10 | +1.70 |
| West Gulf..... | 10 | 2.93 | 71 | -1.20 | -1.00 |
| Ohio Valley and Tennessee..... | 14 | 3.15 | 80 | -0.80 | +4.30 |
| Lower Lakes..... | 10 | 3.60 | 112 | +0.40 | +5.20 |
| Upper Lakes..... | 14 | 3.07 | 88 | -0.40 | +0.30 |
| North Dakota ¹ | 9 | 1.40 | 54 | -1.20 | -2.60 |
| Upper Mississippi Valley..... | 15 | 3.76 | 90 | -0.40 | +0.60 |
| Missouri Valley..... | 12 | 4.11 | 98 | -0.10 | +0.20 |
| Northern slope..... | 7 | 2.25 | 96 | -0.10 | -0.10 |
| Middle slope..... | 6 | 2.41 | 63 | -1.40 | -2.10 |
| Southern slope ¹ | 8 | 2.60 | 71 | -1.10 | -2.20 |
| Southern Plateau ¹ | 9 | 0.07 | 19 | -0.30 | -0.40 |
| Middle Plateau ¹ | 11 | 0.62 | 51 | -0.60 | -2.10 |
| Northern Plateau ¹ | 10 | 1.27 | 76 | -0.40 | -1.10 |
| North Pacific..... | 7 | 2.10 | 81 | -0.50 | -6.40 |
| Middle Pacific..... | 8 | 0.94 | 76 | -0.30 | -7.80 |
| South Pacific..... | 4 | 0.18 | 31 | -0.40 | -2.50 |

¹ Regular Weather Bureau and selected cooperative stations.

Average relative humidity and departure from the normal.

| Districts. | Average. | Departure from the normal. | Districts. | Average. | Departure from the normal. |
|--------------------------------|----------|----------------------------|-----------------------|----------|----------------------------|
| New England..... | 70 | -8 | Missouri Valley..... | 69 | +4 |
| Middle Atlantic..... | 66 | -6 | Northern slope..... | 65 | +7 |
| South Atlantic..... | 69 | -5 | Middle slope..... | 58 | -3 |
| Florida Peninsula..... | 73 | -3 | Southern slope..... | 52 | -9 |
| East Gulf..... | 70 | -1 | Southern Plateau..... | 32 | 0 |
| West Gulf..... | 72 | -3 | Middle Plateau..... | 42 | -4 |
| Ohio Valley and Tennessee..... | 64 | -4 | Northern Plateau..... | 56 | 0 |
| Lower Lakes..... | 68 | -3 | North Pacific..... | 77 | 0 |
| Upper Lakes..... | 71 | -1 | Middle Pacific..... | 67 | +1 |
| North Dakota..... | 66 | +4 | South Pacific..... | 69 | 0 |
| Upper Mississippi Valley..... | 67 | -1 | | | |

Average cloudiness and departure from the normal.

| Districts. | Average. | Departure from the normal. | Districts. | Average. | Departure from the normal. |
|--------------------------------|----------|----------------------------|-----------------------|----------|----------------------------|
| New England..... | 5.8 | +0.3 | Missouri Valley..... | 5.5 | +0.4 |
| Middle Atlantic..... | 5.0 | 0.0 | Northern slope..... | 5.9 | +0.4 |
| South Atlantic..... | 4.3 | -0.2 | Middle slope..... | 4.4 | -0.5 |
| Florida Peninsula..... | 4.4 | 0.0 | Southern slope..... | 3.2 | -1.2 |
| East Gulf..... | 4.2 | -0.5 | Southern Plateau..... | 2.2 | -0.5 |
| West Gulf..... | 3.4 | -1.4 | Middle Plateau..... | 4.2 | +0.1 |
| Ohio Valley and Tennessee..... | 5.2 | +0.2 | Northern Plateau..... | 6.1 | +1.0 |
| Lower Lakes..... | 5.2 | -0.2 | North Pacific..... | 6.2 | -0.1 |
| Upper Lakes..... | 5.8 | -0.3 | Middle Pacific..... | 3.5 | -0.5 |
| North Dakota..... | 4.3 | -1.2 | South Pacific..... | 3.8 | +0.3 |
| Upper Mississippi Valley..... | 6.0 | +0.7 | | | |

Maximum wind velocity.

| Stations. | Date. | Velocity. | Direction. | Stations. | Date. | Velocity. | Direction. |
|---------------------------|-------|-----------|------------|-----------------------------|-------|-----------|------------|
| Atlanta, Ga..... | 31 | 60 | nw. | Point Reyes Light, Cal..... | 1 | 57 | nw. |
| Fort Smith, Ark..... | 14 | 50 | sw. | Do..... | 12 | 66 | nw. |
| Mount Tamalpais, Cal..... | 12 | 64 | nw. | Do..... | 13 | 60 | nw. |
| Do..... | 13 | 60 | nw. | Do..... | 23 | 54 | nw. |
| Do..... | 14 | 53 | nw. | Do..... | 24 | 53 | nw. |
| Do..... | 15 | 60 | nw. | Do..... | 27 | 58 | nw. |
| Do..... | 16 | 60 | nw. | Do..... | 28 | 72 | nw. |
| Do..... | 17 | 52 | nw. | St. Paul, Minn..... | 1 | 52 | sw. |
| Do..... | 27 | 54 | nw. | Sioux City, Iowa..... | 13 | 52 | e. |
| New York, N. Y..... | 10 | 54 | nw. | Toledo, Ohio..... | 21 | 50 | sw. |
| Norfolk, Va..... | 30 | 62 | n. | Williston, N. Dak..... | 11 | 52 | nw. |
| North Head, Wash..... | 9 | 56 | se. | | | | |

RIVERS AND FLOODS, MAY, 1913.

By ALFRED J. HENRY, Professor in Charge River and Flood Division.

The flood in the lower Mississippi which was in progress during the early part of May crested at New Orleans on the 8th at 20.5 feet, 2.3 feet above flood stage; it then receded slowly and passed below the flood stage, 18 feet, on the 24th, having been in flood for a period of 37 days. It is expected to present further details of this flood in a special paper to be issued as soon as the necessary statistics can be collected.

Elsewhere the rivers were at moderate to low stages, and very few of the rises which occurred attained the rank of a serious flood. The Illinois River was at flood stage on its upper reaches; the Black Warrior and Tombigbee Rivers of Alabama, the Pearl and Pascagoula Rivers of Mississippi, the James River of Virginia, and the Roanoke of North Carolina reached near or slightly above flood stages at various times during the month due to heavy local rains.

Hydrographs for typical points on several principal rivers are shown on Chart I. The stations selected for charting are Keokuk, St. Louis, Memphis, Vicksburg, and

New Orleans, on the Mississippi; Cincinnati and Cairo, on the Ohio; Nashville, on the Cumberland; Johnsonville, on the Tennessee; Kansas City, on the Missouri; Little Rock on the Arkansas; and Shreveport, on the Red.

Losses due to April, 1913, floods in the South Atlantic and East Gulf States, District No. 2.

| State. | River system. | Losses. | | | |
|---------------------|---------------------|-------------------------------------------------|---------|----------------|------------------------------------------|
| | | Item 1, general loss, bridges, etc. | Item 2. | | Item 3, suspension of business. |
| | | | Crops. | Live stock. | |
| Virginia..... | James..... | \$50 | | | |
| South Carolina..... | Pedee..... | | | | \$4,000 |
| Alabama..... | Tombigbee..... | | | | 4,000 |
| North Carolina..... | Roanoke..... | | | | 2,000 |
| Mississippi..... | Pearl, Pascagoula.. | 12,600 | \$2,300 | \$2,600 | 8,000 |
| Total..... | | 12,650 | 2,300 | 2,600 | 18,000 |

SPECIAL PAPERS ON GENERAL METEOROLOGY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies.

- American climatological association.**
Transactions, v. 28, 1911-12. Philadelphia. 1912. xxxiv, 347 p. 8°.
- Australia. Commonwealth bureau of meteorology.**
Results of meteorological observations made in western Australia during 1908. Perth. 1912. 130 p. 4 maps. 4°.
- Belgium. Observatoire royal.**
Annuaire météorologique, 1913. Bruxelles. 1912. vi, 325 p. 12°.
- Bendel, Johann.**
Wetterpropheten. 2. Aufl. Regensburg. 1913. vii, 140 p. 12°. (Naturwissenschaftliche Jugend- und Volksbibliothek. 7. Bändchen.)
- Capelle, Wilhelm.**
Zur meteorologischen Literatur der Griechen. Hamburg. 1912. 24 p. 4°. (Gelehrtschule des Johanneums zu Hamburg.)
- Chile. Instituto central meteorológico y geofísico.**
Anuario meteorológico de Chile, 1911. [Spanish & German.] Santiago de Chile. 1912. xix, 504 p. 19 pl. f°. (Publicaciones. No. 3.)
- Denmark. Danske meteorologiske institut.**
Nautisk-meteorologisk aarbog, 1912. [Danish & English.] Kjøbenhavn. 1913. xlv, 154 p. f°.
- Egypt. Survey department.**
Meteorological report for the year 1910. Part 2. Climatological and rainfall observations. Cairo. 1913. xix, 199 p. f°.
- Emerson, Frederick V.**
Geography of Missouri. Columbia, Mo. 1912. 74 p. 8°. (University of Missouri bulletin. Educational series, v. 1, no. 4.) [Climate, p. 32-39.]
- Hamburg. Deutsche Seewarte.**
Atlas der Meeresströmungen in dem Indischen Ozean, auf Grund der Beobachtungen deutscher und holländischer Schiffe. Hamburg. 1913. 21, 24 charts. 68 x 89 cm.
- Havana. Colegio de Belen. Observatorio.**
[Observaciones meteorológicas & reseña, 1912]. Habana. 1913. 20, [70] p. f°.
- Huntington, Ellsworth.**
Secret of the big trees, Yosemite, Sequoia & General Grant national parks. [Washington.] 1913. 24 p. 14 fig. 8°. (U. S. Department of the interior. [Publication]). [Measurements and counts of the growth-rings of the big trees lead the author to conclusions on the prehistoric climate of their home. See also this Review for June, 1909.]
- India. Meteorological department.**
Rainfall of India, 1911. Calcutta, 1912. var. pag. f°.
- Indo-China. Service météorologique.**
Bulletin pluviométrique, 1912. Phu-Lien. 1913. [42] p. 2 maps. f°.
- International meteorological committee.**
Bericht über die Versammlung des Internationalen meteorologischen Komitees, Rom 1913. Berlin. 1913. 62 p. 4°. (Veröffentlichungen des Königlich preussischen meteorologischen Instituts. No. 260.)
- Kartellierte Deutsche Akademien. Luftelektrische Kommission.**
Protokoll der Sitzungen . . . am 24. und 25. Mai 1912, mit 5 Berichten. München. 1912. 391-450 p. 8° (Sonderabdruck aus: Sitzungsberichte der K. bayer. Akademie der Wissenschaften, Math.-Physikal. Klasse, Jahrgang 1912.)
- Kodaikānal & Madras observatories.**
Annual Report, 1912. Madras. 1913. 2 p. l., 23 p. f°.
- Körner, Otto.**
Die Farbenerscheinungen beim Sonnenaufgang in den homerischen Gedichten. Rostock. 1912. [ii], 7 p. 8°. (Sonderabdruck aus den Sitzungsberichten u. Abhandlungen der Naturforschenden Gesellschaft zu Rostock, Neue Folge, Bd. 4, 1912, p. 393-399.)

Krakau. Obserwatory astronomicz.

Wyniki spostrzeżeń meteorologicznych w Galicyi w roku 1911. [Kraków. 1912.] 64 p. 8° (Spraw. Kom. fizyogr.)

Leipzig. Universität. Geophysikalisches Institut.

Synoptische Darstellungen atmosphärischer Zustände, Jahrgang 1910, Heft 1: Zustand der Atmosphäre über Europa am 6. Januar 1910. Leipzig. 1913. 2 p. 13 maps. 54 x 39½ cm.

Mill, Hugh Robert.

The rainfall of Surrey. London, 1912. 28-36 p. map. 8°. (From the "Water supply of Surrey," Mem. Geological survey, 1912.)

Moreux, Th.

La foudre, les orages, la grêle. Paris. n. d. 127 p. illus. 8°.

Neuchâtel. Observatoire cantonal.

Observations météorologiques faites en 1911. Neuchâtel. 1913. 60 p. 12°.

Rotzoll, H.

Zur Verwertung von Pilotballonen im Wetterdienst. Berlin. 1912. [iv], 76 p. 4°. (Sonderabdruck aus: Jahrbuch der Motorluftschiff-Studiengesellschaft, 1911-1912.)

Saxony. Königl. sächsische Landes-Wetterwarte.

Dekaden-Monatsberichte. (Vorläufige Mitteilung), 1911. Jahrgang 14. Dresden. 1912. 130 p. f°.

Deutsches meteorologisches Jahrbuch für 1910. Sachsen. 1. Hälfte. Dresden. 1912. 46, 86 p. f°.

Deutsches meteorologisches Jahrbuch für 1911. Sachsen. 1. Hälfte. Dresden. 1913. 88 p. f°.

Shida, Toshi.

On the elasticity of the earth and the earth's crust. Kyoto. 1912. 286 p. 30 pl. 8°. (Memoirs of the College of science & engineering, Kyoto imperial university, v. 4, no. 1.) [Section 2 of this work, p. 177-186, treats of the atmospheric tide.]

Trzebitzky, Franz.

Studien über die Niederschlagsverhältnisse auf der südosteuropäischen Halbinsel. Sarajevo. 1911. [iv], 95 p. maps. 8°. (Zur Kunde der Balkanhalbinsel. I. Reisen und Beobachtungen, herausgegeben von Dr. Carl Patsch. Heft 14.)

Württemberg. Königl. württembergische meteorologische Zentralstation.

Deutsches meteorologisches Jahrbuch für 1912. Württemberg. Stuttgart. 1913. 70 p. f°.

RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American geographical society. Bulletin. New York. v. 45. June, 1913.

Olmstead, A. T. Climatic changes. p. 439-441. [Criticizes historical data used by Prof. Huntington.]

Cairo scientific journal. Alexandria. v. 7. March, 1913.

Hurst, H. E. Note on the meaning of normal weather. p. 61-63. *Colliery engineer. Scranton, Pa. v. 33. June, 1913.*

Hammon, W. H. The use of the barometer in mining. p. 645. *Engineering. London. v. 94. 1912.*

Morris, J. T. The electrical measurement of wind velocity. p. 892-894.

Meteorological society of Japan. Journal. Tokyo. 32d year. May, 1913.

Horiguti, Y. On the amount of evaporation. p. 13-26. *Nature. London. v. 91. 1913.*

Gold, E[rmest]. The upper air during föhn. p. 282. (May 15.) [Abstract of paper by H. von Ficker.]

Cave, Charles J. P. The winds in the free air. p. 307-310. (May 22.)

Scientific American. New York. v. 108. 1913.

Baker, Charles Whiting. Floods and the problems of river regulation. p. 398-401. (May 3.)

Talman, C[harles] Fitzhugh. Optical phenomena seen from balloons. p. 542. (June 14.)

Talman, Charles Fitzhugh. Lightning prints. A curious chapter in the pathology of lightning stroke. p. 576-585.

U. S. Bureau of standards. Bulletin. Washington. v. 8. March 1, 1913.

Harper, D. R., 3d. Thermometric lag. p. 659-714.

Nature. Paris. 41 année. 14 juin 1913.

Touchet, Em. Trainées météoriques photographiées en plein jour. p. 31-32.

Beiträge zur Geophysik. Leipzig. 12. Band. 4. Heft. 1913.

Wagner, Gotthold. Der Einfluss des Mondes auf das Wetter. p. 528-587. [Bibliography, p. 574-587.]

Meteorologische Zeitschrift. Braunschweig. Band 30. Mai 1913.

Maurer, J. Über die Grösse der jährlichen Verdunstung auf Schweizer-Seen am nordalpinen Fuss. p. 209-213.

Ficker, H[einrich] v. Ballonaufstiege bei Föhn. p. 213-216.

Pockels, F[riedrich]. Zur theoretischen Berechnung der Temperaturverteilung in der freien Atmosphäre bei Föhn. p. 216-222.

Schuster, F. Die Gewitterbildung in ihrer Beziehung zu den wichtigsten Mondstellungen. p. 222-227.

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Meteorologische Zeitschrift—Continued.

Hann, J[ulius] v. Die meteorologischen Arbeiten des deutschen Samoa-Observatoriums. p. 228-235.

Hegyfok, J[akob]. Die tägliche Periode der Gewitter in Ungarn. p. 237-238.

Simpson, George C. Bemerkungen zur Gewittertheorie. p. 238-240.

Ficker, H[einrich] v. Wirbelbildung bei Ballonfahrten im Gebirge. p. 243-245.

Wiedemann, Eilhard. Über die Fata Morgana nach arabischen Quellen. p. 246-248. [The article relates to ordinary inferior and superior mirage, rather than Fata Morgana.]

Wigand, Albert. Zur Erkenntnis der atmosphärischen Trübung von 1912. p. 249-250.

Mitteilungen aus den deutschen Schutzgebieten. Berlin. 26. Band. 1. Heft. 1913.

Untersuchungen über die Natur der Harmattantrübe. p. 9-12.

Wetter. Berlin. 30. Jahrgang. Mai 1913.

Swoboda, Gustav. Sommerliche, über dem nördlicheren Europa stationäre Antizyklen. p. 97-107.

Scheibener, Edmund. Das Gewitter und seine Begleiterscheinungen im Aberglauben des deutschen Volkes. p. 111-114.

Greipel, Richard. Das Summen der Telegraphendrähte. p. 116.

Linke, Franz. Über das Summen der Telegraphendrähte. p. 116-117.

CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given for the various sections of the climatological service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting the greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperature for each section, the highest

and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course the number of such records is smaller than the total number of stations.

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS, MAY, 1913.

| Section. | Temperature (°F.). | | | | | | | Precipitation (inches and hundredths). | | | | | | |
|--------------------------|--------------------|----------------------------|-----------------------|----------|-------|----------------------|------------------|----------------------------------------|-------------------|-------|-----------------------|---------|-------------------------|---------|
| | Section average. | Departure from the normal. | Monthly extremes. | | | | Section average. | Departure from the normal. | Greatest monthly. | | Least monthly. | | | |
| | | | Station. | Highest. | Date. | Station. | | | Lowest. | Date. | Station. | Amount. | Station. | Amount. |
| Alabama..... | 71.6 | +0.1 | 3 stations..... | 98 | 31 | Riverton..... | 41 | 1 | 3.14 | -0.90 | Scottsboro..... | 7.86 | Fort Deposit..... | 0.78 |
| Arizona..... | 66.0 | -1.5 | Maricopa..... | 107 | 23 | Flagstaff..... | 15 | 2 | 0.05 | -0.20 | Vail..... | 0.60 | 35 stations..... | 0.00 |
| Arkansas..... | 69.3 | +0.1 | 2 stations..... | 99 | 31 | Dutton..... | 35 | 7† | 3.32 | -2.07 | Center Point..... | 6.55 | Calico Rock..... | 0.30 |
| California..... | 62.3 | +0.2 | Greenland Ranch..... | 120 | 25 | Summit..... | 12 | 1 | 1.04 | -0.18 | Blue Canon..... | 4.19 | 21 stations..... | 0.00 |
| Colorado..... | 54.2 | +2.4 | Lamar..... | 99 | 29 | Hermit..... | 10 | 4 | 0.88 | -0.94 | Sedgwick..... | 3.70 | 4 stations..... | T. |
| Florida..... | 74.5 | -1.3 | 2 stations..... | 100 | 30† | Molino..... | 47 | 1 | 3.08 | -0.96 | Fort Lauderdale..... | 9.34 | St. Cloud..... | 0.59 |
| Georgia..... | 71.9 | +0.1 | do..... | 102 | 30† | Clayton..... | 40 | 1† | 2.27 | -1.20 | Gore..... | 4.70 | Eastman..... | 0.19 |
| Hawaii [April]..... | 69.6 | ..... | do..... | 88 | 6† | Humuula..... | 29 | 17 | 7.05 | ..... | Keanae Valley..... | 31.07 | 2 stations..... | 0.00 |
| Idaho..... | 55.4 | +1.6 | Glenns Ferry..... | 99 | 26 | Blackfoot Dam..... | 13 | 3 | 1.52 | -0.03 | Kirkham..... | 3.32 | do..... | T. |
| Illinois..... | 62.9 | +0.2 | Equality..... | 99 | 30 | 6 stations..... | 28 | 10† | 3.04 | -0.96 | St. Charles..... | 8.32 | Windsor..... | 0.41 |
| Indiana..... | 63.0 | +0.6 | 2 stations..... | 97 | 30 | 2 stations..... | 26 | 11 | 2.79 | -1.41 | Collegeville..... | 6.67 | Mount Vernon..... | 0.38 |
| Iowa..... | 59.3 | -0.8 | Onawa..... | 102 | 29 | 3 stations..... | 30 | 2† | 6.21 | +1.71 | Britt..... | 10.25 | Lamoni..... | 3.14 |
| Kansas..... | 66.7 | +2.8 | Lincoln..... | 107 | 29 | St. Francis..... | 32 | 15 | 3.04 | -0.81 | Emporia..... | 7.45 | Lakin..... | 0.10 |
| Kentucky..... | 66.1 | +0.6 | Hopkinsville..... | 99 | 31 | Farmers..... | 29 | 11 | 2.95 | -1.03 | Mount Sterling..... | 5.85 | Blandville..... | 0.65 |
| Louisiana..... | 72.6 | -1.2 | Reserve..... | 103 | 28 | Laark..... | 36 | 23 | 4.95 | +0.62 | Hammond..... | 10.10 | Burrwood..... | 1.45 |
| Maryland & Delaware..... | 62.8 | 0.0 | 2 stations..... | 94 | 4† | Deer Park, Md..... | 16 | 12 | 4.30 | +0.69 | Westernport, Md..... | 7.94 | 2 stations..... | 2.18 |
| Michigan..... | 53.3 | -0.3 | Blaney..... | 94 | 2 | 2 stations..... | 16 | 7† | 2.80 | -0.52 | Thornville..... | 6.25 | Bay City..... | 0.58 |
| Minnesota..... | 52.7 | -1.8 | 2 stations..... | 99 | 27 | Pokegama Falls..... | 19 | 9 | 3.53 | +0.27 | Winona..... | 5.98 | 2 stations..... | 1.05 |
| Mississippi..... | 70.9 | -1.3 | Corinth..... | 98 | 31 | Crystal Springs..... | 43 | 24 | 4.01 | -0.26 | Laurel..... | 9.75 | Vicksburg..... | 1.30 |
| Missouri..... | 65.8 | +1.3 | Caruthersville..... | 101 | 31 | 2 stations..... | 33 | 7† | 3.05 | -1.93 | Sublett..... | 9.12 | St. Charles..... | 0.56 |
| Montana..... | 50.8 | -1.1 | Forsyth..... | 96 | 27 | do..... | 10 | 1 | 1.84 | -0.75 | Busby..... | 3.06 | Libby..... | 0.55 |
| Nebraska..... | 59.8 | +0.6 | 5 stations..... | 103 | 29 | Curly..... | 20 | 3 | 3.60 | +0.20 | Hartington..... | 9.05 | Palisade..... | 0.73 |
| Nevada..... | 57.1 | +2.6 | Logan..... | 100 | 24† | Tecoma..... | 5 | 2 | 1.28 | +0.34 | Potts..... | 3.40 | 2 stations..... | 0.00 |
| New England..... | 53.2 | -1.9 | Bridgeport, Conn..... | 92 | 3 | Patten, Me..... | 18 | 15 | 3.32 | -0.27 | Amherst, Mass..... | 4.94 | Block Island, R. I..... | 1.65 |
| New Jersey..... | 60.3 | 0.0 | Indian Mills..... | 94 | 6 | Layton..... | 25 | 12 | 3.45 | -0.46 | Moorestown..... | 4.86 | Paterson..... | 2.53 |
| New Mexico..... | 60.9 | +0.8 | Hobbs..... | 105 | 26 | Elizabethtown..... | 10 | 9† | 0.33 | -0.55 | Tucumcari (2)..... | 1.96 | 16 stations..... | 0.00 |
| New York..... | 54.7 | -1.4 | 2 stations..... | 93 | 2† | 2 stations..... | 17 | 12† | 3.08 | -0.45 | Morehouseville..... | 5.36 | Shortsville..... | 1.77 |
| North Carolina..... | 67.9 | +0.5 | Parkersburg..... | 98 | 4 | Banners Elk..... | 23 | 11 | 4.37 | +0.30 | Brewers..... | 8.72 | Ramseur..... | 2.28 |
| North Dakota..... | 51.2 | -1.9 | 2 stations..... | 100 | 27 | Bottineau..... | 11 | 5 | 1.68 | -0.89 | McLeod..... | 4.00 | 2 stations..... | 0.59 |
| Ohio..... | 60.3 | -0.6 | Syracuse..... | 95 | 4 | 3 stations..... | 23 | 11† | 3.53 | -0.12 | Vickery..... | 7.94 | Cambridge..... | 1.86 |
| Oklahoma..... | 70.4 | +2.8 | Jefferson..... | 104 | 29 | Woodward..... | 30 | 6 | 3.50 | -2.17 | Hugo..... | 8.41 | Hurley..... | 0.08 |
| Oregon..... | 54.4 | +0.7 | Huntington..... | 97 | 31 | Cliff (2)..... | 10 | 1 | 1.77 | -0.41 | Cascadia..... | 4.66 | Huntington..... | 0.10 |
| Pennsylvania..... | 58.5 | -1.3 | 2 stations..... | 93 | 5 | Warren..... | 21 | 11 | 3.86 | -0.10 | Hyndman..... | 6.45 | Forks of Neshaminy..... | 0.48 |
| Porto Rico..... | 75.0 | -2.0 | do..... | 92 | 25† | 2 stations..... | 50 | 1† | 8.20 | +0.72 | Isolina..... | 18.13 | Guanica Centrale..... | 1.82 |
| South Carolina..... | 71.7 | +0.3 | do..... | 101 | 30† | Dillon..... | 38 | 11 | 2.13 | -1.39 | Winthrop College..... | 6.65 | Charleston..... | 0.19 |
| South Dakota..... | 54.4 | -0.9 | Winner..... | 102 | 28 | 2 stations..... | 18 | 3 | 3.48 | +0.94 | Tyndall..... | 6.51 | Orman..... | 1.85 |
| Tennessee..... | 67.6 | +0.7 | Union City..... | 100 | 31 | Mountain City..... | 26 | 11 | 3.93 | -0.32 | Rogersville..... | 7.20 | Union City..... | 1.49 |
| Texas..... | 73.5 | +0.4 | Big Spring..... | 105 | 26 | Canadian..... | 33 | 4 | 2.55 | -1.20 | Arthur City..... | 9.41 | 4 stations..... | 0.00 |
| Utah..... | 57.3 | +1.4 | Midvale..... | 107 | 26 | Woodruff..... | 6 | 2 | 0.48 | -0.86 | Brigham City..... | 1.87 | 8 stations..... | 0.00 |
| Virginia..... | 64.2 | +0.2 | Callaville..... | 94 | 3 | Burkes Garden..... | 24 | 12 | 5.48 | +1.44 | Ruckersville..... | 8.29 | Staunton..... | 3.58 |
| Washington..... | 54.6 | -0.3 | Hanford..... | 98 | 31 | Republic..... | 21 | 1 | 1.99 | -0.30 | Quinalt..... | 8.03 | Lost Creek..... | 0.29 |
| West Virginia..... | 61.6 | -0.9 | Martinsburg..... | 95 | 3† | Bayard..... | 19 | 12 | 5.16 | +1.26 | Brandonville..... | 8.86 | Union..... | 2.95 |
| Wisconsin..... | 53.5 | -1.1 | Prairie du Chien..... | 91 | 28 | Long Lake..... | 17 | 10 | 5.50 | +1.99 | Shullsburg..... | 8.77 | Trout Lake..... | 0.90 |
| Wyoming..... | 49.0 | +1.8 | 2 stations..... | 94 | 26 | Norris..... | 2 | 13 | 1.62 | -0.77 | Knowles..... | 4.60 | Encampment..... | T. |

† Other dates also.

TABLE I.—Climatological data for United States Weather Bureau stations, May, 1913.

| Districts and stations. | Elevation of instruments. | | | Pressure in inches. | | | Temperature of the air, in degrees Fahrenheit. | | | | | | | | | | Precipitation, inches. | | | Wind. | | | | | | Average cloudiness, tenths. | Total snowfall. | Snow on ground at end of month. | | | | |
|-------------------------|----------------------------------|---------------------------|--------------------------|---------------------------------------|-----------------------------------------|------------------------|------------------------------------------------|------------------------|----------|-------|---------------|-------|---------------|-----------------------|-----------------------|------------------------------------|-----------------------------------|--------|------------------------|--------------------------|------------------------|-----------------------|-------------------|------------|-------|-----------------------------|-----------------|---------------------------------|-------------|---------------------|--------------|-----|
| | Barometer above sea level, feet. | Thermometer above ground. | Anemometer above ground. | Station, reduced to mean of 24 hours. | Sea level, reduced to mean of 24 hours. | Departure from normal. | Mean max. + mean min. + 2. | Departure from normal. | Maximum. | Date. | Mean minimum. | Date. | Mean minimum. | Greatest daily range. | Mean wet thermometer. | Mean temperature of the dew point. | Mean relative humidity, per cent. | Total. | Departure from normal. | Days with 0.01, or more. | Total movement, miles. | Prevailing direction. | Maximum velocity. | | | | | | Clear days. | Partly cloudy days. | Cloudy days. | |
| | | | | | | | | | | | | | | | | | | | | | | | Miles per hour. | Direction. | Date. | | | | | | | |
| New England. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eastport..... | 76 | 67 | 85 | 29.86 | 29.95 | -.01 | 45.8 | -1.1 | 70 | 3 | 52 | 30 | 15 | 39 | 28 | 42 | 39 | 80 | 4.02 | + 0.2 | 13 | 7,526 | s. | 36 | nw. | 30 | 8 | 12 | 11 | 6.2 | 0.1 | 5.8 |
| Greenville..... | 1,070 | 6 | | 28.79 | 29.97 | -.03 | 47.6 | -3.5 | 72 | 31 | 57 | 37 | 17 | 43 | 23 | 44 | 38 | 68 | 3.01 | -0.8 | 12 | 6,603 | nw. | 34 | nw. | 29 | 11 | 7 | 13 | 5.8 | T. | 5.8 |
| Portland, Me..... | 103 | 82 | 117 | 29.88 | 30.00 | +.03 | 50.0 | -2.5 | 72 | 31 | 57 | 37 | 17 | 43 | 23 | 44 | 38 | 68 | 2.92 | -0.5 | 10 | 6,693 | nw. | 34 | nw. | 29 | 11 | 7 | 13 | 5.8 | T. | 5.8 |
| Concord..... | 288 | 70 | 79 | 29.67 | 29.99 | +.01 | 53.2 | -1.5 | 88 | 3 | 65 | 29 | 12 | 42 | 49 | | | | 3.17 | -0.1 | 11 | 4,336 | nw. | 25 | nw. | 29 | 11 | 10 | 10 | 5.6 | T. | 5.6 |
| Burlington..... | 404 | 11 | 48 | 29.56 | 30.00 | +.03 | 52.4 | -1.5 | 84 | 2 | 62 | 28 | 15 | 43 | 38 | | | | 2.56 | -0.3 | 11 | 7,288 | s. | 35 | s. | 18 | 8 | 11 | 12 | 6.0 | T. | 6.0 |
| Northfield..... | 876 | 12 | 60 | 29.05 | 30.00 | +.03 | 49.4 | -4.1 | 85 | 5 | 61 | 21 | 15 | 38 | 45 | 45 | 40 | 68 | 3.01 | + 0.2 | 12 | 5,822 | s. | 26 | n. | 11 | 5 | 8 | 18 | 7.0 | T. | 7.0 |
| Boston..... | 125 | 115 | 188 | 29.85 | 29.99 | +.01 | 55.2 | -1.4 | 78 | 5 | 63 | 37 | 11 | 48 | 30 | 49 | 43 | 39 | 3.22 | -0.3 | 8 | 7,255 | nw. | 34 | nw. | 29 | 10 | 12 | 9 | 5.6 | | 5.6 |
| Nantucket..... | 12 | 14 | 90 | 29.97 | 29.98 | -.01 | 52.8 | -0.2 | 74 | 31 | 59 | 39 | 11 | 46 | 24 | 48 | 45 | 80 | 1.71 | -1.0 | 7 | 10,532 | sw. | 43 | sw. | 24 | 11 | 11 | 9 | 5.4 | | 5.4 |
| Block Island..... | 26 | 11 | 46 | 29.95 | 29.98 | -.01 | 53.8 | + 0.9 | 80 | 3 | 59 | 39 | 11 | 46 | 30 | 50 | 46 | 79 | 1.65 | -2.1 | 9 | 11,967 | sw. | 44 | n. | 10 | 12 | 6 | 13 | 5.7 | | 5.7 |
| Narragansett..... | 9 | | | | | | 53.6 | -1.1 | 80 | 3 | 62 | 31 | 11 | 46 | 34 | | | | 2.75 | -1.0 | 10 | | se. | | | 20 | 1 | 10 | | | | |
| Providence..... | 160 | 141 | 165 | 29.82 | 29.99 | +.01 | 55.2 | -3.3 | 86 | 3 | 64 | 34 | 11 | 46 | 38 | 49 | 43 | 66 | 1.84 | -1.6 | 9 | 6,717 | nw. | 48 | nw. | 29 | 9 | 11 | 11 | 5.6 | | 5.6 |
| Hartford..... | 159 | 122 | 140 | 29.82 | 30.00 | +.02 | 57.6 | + 0.1 | 90 | 3 | 67 | 34 | 11 | 48 | 38 | 50 | 42 | 62 | 3.99 | + 0.4 | 11 | 5,218 | nw. | 30 | nw. | 29 | 8 | 9 | 14 | 6.2 | | 6.2 |
| New Haven..... | 106 | 117 | 155 | 29.88 | 30.00 | -.01 | 57.8 | + 0.2 | 90 | 3 | 67 | 35 | 11 | 49 | 38 | 50 | 42 | 60 | 2.30 | -1.3 | 8 | 6,029 | nw. | 35 | nw. | 29 | 14 | 7 | 10 | 5.1 | | 5.1 |
| Middle Atlantic States. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albany..... | 97 | 102 | 115 | 29.89 | 30.00 | +.02 | 57.4 | -1.5 | 89 | 3 | 67 | 34 | 11 | 48 | 35 | 50 | 43 | 61 | 3.29 | + 0.3 | 12 | 5,799 | nw. | 26 | nw. | 10 | 14 | 8 | 9 | 5.1 | | 5.1 |
| Binghamton..... | 871 | 78 | 88 | 29.10 | 30.03 | +.05 | 54.6 | -2.4 | 88 | 4 | 65 | 30 | 12 | 44 | 39 | | | | 3.14 | -0.0 | 12 | 4,070 | nw. | 24 | nw. | 10 | 4 | 11 | 16 | 6.7 | | 6.7 |
| New York..... | 314 | 414 | 454 | 29.66 | 30.00 | +.01 | 60.2 | -0.9 | 88 | 3 | 68 | 36 | 11 | 52 | 36 | 51 | 43 | 59 | 2.51 | -0.7 | 9 | 12,083 | nw. | 54 | nw. | 10 | 11 | 7 | 13 | 5.5 | | 5.5 |
| Harrisburg..... | 374 | 94 | 104 | 29.63 | 30.02 | +.04 | 61.5 | -0.2 | 88 | 3 | 72 | 38 | 11 | 52 | 33 | 53 | 46 | 62 | 2.73 | -0.9 | 12 | 4,464 | nw. | 22 | nw. | 13 | 10 | 6 | 15 | 5.5 | | 5.5 |
| Philadelphia..... | 117 | 123 | 184 | 29.89 | 30.02 | +.03 | 63.6 | + 1.4 | 90 | 3 | 73 | 29 | 11 | 54 | 31 | 54 | 48 | 62 | 4.63 | + 1.4 | 9 | 7,696 | nw. | 33 | n. | 10 | 11 | 8 | 12 | 5.3 | | 5.3 |
| Reading..... | 325 | 81 | 98 | 29.67 | 30.02 | +.03 | 61.0 | -1.2 | 90 | 4 | 72 | 37 | 11 | 50 | 36 | 53 | 47 | 65 | 2.85 | -1.2 | 9 | 5,320 | nw. | 29 | n. | 10 | 11 | 6 | 14 | 5.7 | | 5.7 |
| Scranton..... | 805 | 111 | 119 | 29.16 | 30.02 | +.04 | 57.6 | -2.9 | 89 | 4 | 68 | 33 | 12 | 48 | 35 | 51 | 44 | 63 | 2.27 | -1.2 | 9 | 5,031 | nw. | 27 | w. | 19 | 7 | 12 | 12 | 5.8 | | 5.8 |
| Atlantic City..... | 52 | 37 | 48 | 29.95 | 30.01 | +.03 | 60.4 | + 2.9 | 89 | 3 | 68 | 34 | 11 | 52 | 31 | 54 | 50 | 72 | 3.52 | + 0.5 | 9 | 6,161 | nw. | 26 | ne. | 18 | 12 | 9 | 10 | 4.7 | | 4.7 |
| Cape May..... | 17 | 13 | 49 | 30.01 | 30.03 | +.04 | 61.3 | + 2.7 | 87 | 3 | 69 | 41 | 11 | 54 | 32 | 56 | 53 | 79 | 3.34 | + 0.4 | 11 | 6,555 | nw. | 28 | nw. | 16 | 13 | 13 | 5 | 4.2 | | 4.2 |
| Trenton..... | 190 | 159 | 183 | 29.80 | 30.00 | +.03 | 60.8 | -0.9 | 90 | 3 | 71 | 34 | 11 | 51 | 31 | 54 | 49 | 71 | 3.00 | -0.4 | 8 | 8,380 | nw. | 34 | nw. | 29 | 15 | 6 | 10 | 4.6 | | 4.6 |
| Baltimore..... | 123 | 100 | 113 | 29.89 | 30.02 | +.03 | 64.9 | + 0.7 | 91 | 3 | 74 | 40 | 11 | 55 | 32 | 56 | 49 | 69 | 3.12 | -0.4 | 11 | 5,408 | n. | 27 | n. | 10 | 14 | 8 | 9 | 4.5 | | 4.5 |
| Washington..... | 112 | 62 | 85 | 29.89 | 30.01 | +.01 | 64.4 | + 0.2 | 90 | 4 | 75 | 37 | 12 | 53 | 36 | 56 | 50 | 64 | 4.56 | + 0.7 | 11 | 4,630 | nw. | 24 | nw. | 29 | 11 | 8 | 12 | 5.6 | | 5.6 |
| Lynchburg..... | 681 | 83 | 88 | 29.28 | 30.02 | +.02 | 66.0 | + 0.1 | 92 | 4 | 79 | 37 | 12 | 53 | 43 | 59 | 55 | 73 | 4.76 | + 0.8 | 12 | 2,236 | n. | 19 | sw. | 16 | 12 | 15 | 4 | 4.6 | | 4.6 |
| Mount Weather..... | 1,725 | 10 | 75 | 28.21 | 30.00 | +.00 | 59.8 | + 0.3 | 83 | 4 | 68 | 31 | 11 | 51 | 26 | 51 | 45 | 64 | 4.62 | + 0.9 | 12 | 10,669 | nw. | 39 | sw. | 13 | 10 | 11 | 10 | 5.5 | | 5.5 |
| Norfolk..... | 91 | 170 | 205 | 29.93 | 30.03 | +.03 | 67.6 | + 1.4 | 92 | 4 | 77 | 44 | 11 | 58 | 35 | 59 | 54 | 67 | 4.31 | + 0.2 | 8 | 9,117 | sw. | 62 | n. | 30 | 15 | 13 | 3 | 3.6 | | 3.6 |
| Richmond..... | 144 | 11 | 52 | 29.87 | 30.02 | +.03 | 66.6 | + 0.7 | 92 | 3 | 78 | 38 | 11 | 55 | 40 | 58 | 51 | 64 | 4.80 | + 1.0 | 11 | 5,257 | s. | 37 | sw. | 16 | 15 | 9 | 7 | 4.1 | | 4.1 |
| Wytheville..... | 2,293 | 40 | 47 | 27.70 | 30.04 | +.05 | 60.9 | -0.5 | 86 | 5 | 74 | 29 | 12 | 48 | 42 | 54 | 50 | 73 | 5.87 | + 2.0 | 13 | 3,146 | nw. | 20 | sw. | 30 | 15 | 13 | 3 | 3.5 | | 3.5 |
| South Atlantic States. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Asheville..... | 2,255 | 70 | 84 | 27.73 | 30.04 | +.05 | 63.2 | + 0.6 | 86 | 30 | 75 | 37 | 12 | 52 | 39 | 55 | 50 | 68 | 5.12 | + 1.3 | 12 | 4,943 | nw. | 36 | nw. | 30 | 13 | 11 | 7 | 4.9 | | 4.9 |
| Charlotte..... | 773 | 68 | 76 | 29.21 | 30.03 | +.04 | 69.9 | + 1.5 | 91 | 5 | 80 | 44 | 11 | 59 | 30 | 60 | 54 | 63 | 3.77 | -0.2 | 11 | 4,839 | sw. | 33 | sw. | 21 | 13 | 9 | 9 | 4.7 | | 4.7 |
| Hatteras..... | 11 | 12 | 50 | 29.98 | 29.99 | -.02 | 69.0 | + 1.9 | 82 | 3 | 75 | 46 | 12 | 63 | 20 | 64 | 61 | 78 | 3.08 | -1.1 | 9 | 9,959 | sw. | 38 | n. | 10 | 15 | 12 | 4 | 3.9 | | 3.9 |
| Manteo..... | 12 | 12 | 46 | | | | 67.0 | | 88 | 6 | 76 | 34 | 12 | 58 | | | | | 3.22 | -0.8 | 9 | | sw. | | | 15 | 10 | 6 | | | | |
| Raleigh..... | 376 | 103 | 110 | 29.62 | 30.02 | +.03 | 69.8 | + 1.7 | 94 | 4 | 80 | 41 | 12 | 59 | 32 | 60 | 53 | 61 | 2.86 | -2.0 | 11 | 5,728 | sw. | 38 | nw. | 27 | 14 | 10 | 7 | 4.4 | | 4.4 |
| Wilmington..... | 78 | 81 | 91 | 29.96 | 30.04 | +.03 | 70.4 | + 1.3 | 92 | 30 | 80 | 45 | 11 | 61 | 31 | 63 | 60 | 77 | 2.90 | -1.1 | 7 | 5,732 | sw. | 28 | s. | 23 | 11 | 14 | 6 | 4.4 | | 4.4 |
| Charleston..... | 48 | 11 | 92 | 30.00 | 30.05 | +.04 | 72.6 | + 0.2 | 98 | 30 | 80 | 55 | 11 | 65 | 27 | 65 | 61 | 72 | 0.19 | -3.3 | 3 | 7,759 | s. | 29 | ne. | 11 | 13 | 14 | 4 | 3.8 | | 3.8 |
| Columbia, S. C..... | 351 | 41 | 57 | 29.66 | 30.04 | +.04 | 72.6 | + 0.8 | 95 | 30 | 84 | 51 | 12 | 61 | 34 | 61 | 54 | 59 | 1.00 | -2.2 | 6 | 5,291 | sw. | 30 | sw. | 23 | 19 | 7 | 5 | 3.8 | | 3.8 |
| Augusta..... | 180 | 89 | 97 | 29.84 | 30.03 | +.04 | 72.6 | + 0.4 | 97 | 31 | 84 | 50 | 1 | 61 | 37 | 63 | 57 | 64 | 0.74 | -2.5 | 9 | 4,481 | s. | 33 | ne. | 19 | 10 | 14 | 7 | 4.8 | | 4.8 |
| Savannah..... | 65 | 150 | 194 | 29.98 | 30.05 | +.05 | 73.5 | + 1.0 | 98 | 31 | 83 | 56 | 1 | 64 | 28 | 65 | 61 | 75 | 1.28 | -1.7 | 8 | 8,078 | s. | 32 | nw. | 31 | 10 | 14 | 7 | 4.5 | | 4.5 |
| Jacksonville..... | 43 | 96 | 129 | 30.00 | 30.05 | +.05 | 74.3 | + 0.1 | 94 | 31 | 84 | 58 | 4 | 65 | 28 | 66 | 63 | 74 | 1.06 | -3.2 | 5 | 6,479 | s. | 33 | n. | 10 | 18 | 7 | 6 | 3.5 | | 3.5 |
| Florida Peninsula. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Key West..... | 22 | 10 | 64 | 29.99 | 30.01 | +.04 | 77.8 | -1.2 | 86 | 31 | 84 | 67 | 1 | 72 | 15 | 70 | 67 | 73 | 3.46 | + 0.1 | 8 | 7,039 | se. | 33 | s. | 24 | 18 | 9 | 4 | 4.0 | | 4.0 |
| Miami..... | 25 | 37 | 72 | 30.02 | 30.05 | +.03 | 76.0 | -2.6 | 88 | 28 | 82 | 60 | 11 | 70 | 25 | 69 | 66 | 72 | 8. | | | | | | | | | | | | | |

TABLE I.—Climatological data for United States Weather Bureau stations, May, 1913—Continued.

| Districts and stations. | Elevation of instruments. | | | Pressure in inches. | | | Temperature of the air, in degrees Fahrenheit. | | | | | | | | | | Precipitation, inches. | | | Wind. | | | | | Average cloudiness, tenths. | Total snowfall. | Snow on ground at end of month. | | | | |
|-------------------------|----------------------------------|---------------------------|--------------------------|---------------------------------------|-----------------------------------------|------------------------|------------------------------------------------|------------------------|----------|-------|---------------|-------|---------------|-----------------------|-----------------------|--------------------------------|-----------------------------------|--------|------------------------|--------------------------|------------------------|-------------------|------------|-------|-----------------------------|-----------------|---------------------------------|-------|-------|-------|-------|
| | Barometer above sea level, feet. | Thermometer above ground. | Anemometer above ground. | Station, reduced to mean of 24 hours. | Sea level, reduced to mean of 24 hours. | Departure from normal. | Mean max. + mean min. + 2. | Departure from normal. | Maximum. | Date. | Mean minimum. | Date. | Mean minimum. | Greatest daily range. | Mean wet thermometer. | Mean temperature of dew point. | Mean relative humidity, per cent. | Total. | Departure from normal. | Days with 0.01, or more. | Total movement, miles. | Maximum velocity. | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | Miles per hour. | Direction. | Date. | | | | | | | |
| Northern Slope. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Havre..... | 2,505 | 11 | 44 | 27.33 | 29.96 | + .06 | 51.6 | - 2.5 | 85 | 27 | 63 | 22 | 1 | 40 | 34 | 46 | 41 | 71 | 1.81 | - 0.3 | 9 | 6,031 | e. | 32 | nw. | 16 | 9 | 12 | 10 | 6.2 | T. |
| Helena..... | 4,110 | 87 | 114 | 25.78 | 29.96 | + .03 | 51.4 | - 0.2 | 87 | 26 | 62 | 24 | 1 | 41 | 34 | 43 | 37 | 63 | 2.00 | 0.0 | 12 | 6,140 | sw. | 43 | sw. | 27 | 2 | 13 | 16 | 7.3 | 4.3 |
| Kalispell..... | 2,962 | 11 | 34 | 26.91 | 29.96 | + .08 | 50.9 | - 0.1 | 81 | 26 | 63 | 25 | 1 | 39 | 37 | 43 | 36 | 65 | 0.92 | - 1.1 | 12 | 3,783 | w. | 26 | sw. | 26 | 10 | 11 | 10 | 5.5 | T. |
| Miles City..... | 2,371 | 26 | 48 | 27.46 | 30.00 | + .09 | 56.4 | - 0.3 | 92 | 27 | 67 | 31 | 5 | 46 | 35 | 49 | 44 | 70 | 2.52 | + 0.5 | 11 | 4,327 | ne. | 27 | w. | 16 | 10 | 17 | 4 | 4.7 | T. |
| Rapid City..... | 3,234 | 46 | 50 | 26.61 | 30.03 | + .13 | 52.6 | - 1.6 | 91 | 28 | 63 | 30 | 3 | 43 | 35 | 46 | 39 | 66 | 3.24 | + 0.3 | 17 | 5,231 | n. | 29 | se. | 10 | 8 | 15 | 6.4 | T. | |
| Cheyenne..... | 6,088 | 58 | 64 | 24.00 | 29.91 | + .06 | 52.0 | + 1.0 | 81 | 27 | 64 | 28 | 2 | 40 | 34 | 44 | 38 | 67 | 2.22 | - 0.2 | 17 | 6,382 | nw. | 34 | s. | 12 | 4 | 13 | 14 | 6.3 | T. |
| Lander..... | 5,372 | 60 | 68 | 24.62 | 29.93 | + .05 | 53.4 | + 1.4 | 83 | 28 | 66 | 26 | 3 | 40 | 37 | 42 | 32 | 52 | 1.20 | - 1.7 | 11 | 4,327 | w. | 48 | nw. | 13 | 7 | 16 | 8 | 5.5 | 4.0 |
| Sheridan..... | 3,790 | 10 | 47 | 26.10 | 29.98 | ..... | 52.4 | ..... | 87 | 27 | 64 | 26 | 3 | 41 | 42 | 46 | 40 | 69 | 1.52 | ..... | 13 | 4,745 | nw. | 36 | se. | 13 | 7 | 13 | 11 | 5.8 | 0.7 |
| Yellowstone Park..... | 6,200 | 11 | 48 | 23.86 | 29.95 | + .04 | 46.0 | - 1.4 | 75 | 26 | 57 | 23 | 3 | 35 | 39 | 38 | 31 | 63 | 2.81 | + 0.9 | 15 | 5,226 | sw. | 38 | s. | 26 | 5 | 11 | 15 | 6.8 | 6.9 |
| North Platte..... | 2,821 | 11 | 51 | 27.05 | 29.96 | + .08 | 60.0 | + 1.0 | 96 | 29 | 73 | 31 | 3 | 47 | 40 | 51 | 46 | 68 | 3.50 | + 0.4 | 11 | 6,342 | ne. | 40 | n. | 31 | 13 | 10 | 8 | 4.7 | ..... |
| Middle Slope. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver..... | 5,291 | 129 | 172 | 24.70 | 29.90 | + .06 | 57.5 | + 0.8 | 91 | 29 | 70 | 34 | 2 | 45 | 38 | 46 | 37 | 53 | 1.68 | - 0.9 | 8 | 5,772 | sw. | 32 | ne. | 21 | 15 | 9 | 7 | 4.8 | T. |
| Pueblo..... | 4,685 | 80 | 86 | 25.24 | 29.87 | + .04 | 62.4 | + 2.9 | 91 | 29 | 77 | 30 | 4 | 48 | 40 | 47 | 34 | 43 | 1.43 | - 0.2 | 5 | 5,129 | nw. | 37 | w. | 2 | 12 | 18 | 1 | 3.9 | ..... |
| Concordia..... | 1,398 | 42 | 50 | 28.47 | 29.92 | + .01 | 65.8 | + 2.1 | 102 | 29 | 77 | 41 | 6 | 54 | 33 | 57 | 52 | 67 | 5.70 | + 1.0 | 10 | 6,125 | s. | 31 | se. | 13 | 4 | 17 | 10 | 6.1 | ..... |
| Dodge City..... | 2,509 | 11 | 51 | 27.34 | 29.90 | + .03 | 67.3 | + 3.8 | 98 | 29 | 80 | 39 | 15 | 54 | 36 | 56 | 49 | 59 | 0.81 | - 2.5 | 11 | 9,181 | se. | 42 | se. | 2 | 14 | 12 | 5 | 4.3 | ..... |
| Wichita..... | 1,358 | 139 | 158 | 28.50 | 29.91 | ..... | 67.9 | + 2.0 | 100 | 29 | 78 | 46 | 23 | 57 | 33 | 58 | 51 | 61 | 0.97 | - 4.0 | 8 | 11,276 | s. | 42 | s. | 2 | 21 | 6 | 4 | 3.0 | ..... |
| Oklahoma..... | 1,214 | 10 | 47 | 28.68 | 29.94 | + .05 | 69.4 | + 1.3 | 95 | 31 | 80 | 47 | 7 | 58 | 32 | 60 | 55 | 67 | 3.88 | - 1.9 | 8 | 12,030 | s. | 46 | s. | 2 | 16 | 10 | 5 | 3.9 | ..... |
| Southern Slope. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abilene..... | 1,738 | 10 | 52 | 28.14 | 29.92 | + .05 | 73.7 | + 1.8 | 98 | 26 | 86 | 51 | 7 | 62 | 36 | 60 | 52 | 56 | 4.73 | + 1.0 | 8 | 8,576 | s. | 34 | se. | 18 | 16 | 8 | 7 | 3.8 | ..... |
| Amarillo..... | 3,676 | 10 | 49 | 26.23 | 29.89 | + .05 | 68.2 | + 3.9 | 94 | 29 | 82 | 44 | 15 | 55 | 39 | 55 | 46 | 55 | 1.41 | - 2.3 | 7 | 9,355 | s. | 34 | sw. | 19 | 26 | 4 | 1 | 2.8 | ..... |
| Del Rio..... | 944 | 8 | 57 | 28.94 | 29.91 | + .06 | 77.2 | + 0.3 | 97 | 26 | 90 | 55 | 7 | 65 | 36 | ..... | ..... | ..... | 0.64 | - 2.3 | 5 | 6,994 | se. | 33 | e. | 3 | 22 | 8 | 1 | 2.5 | ..... |
| Roswell..... | 3,566 | 9 | 57 | 26.30 | 29.84 | + .02 | 68.6 | - 0.8 | 97 | 26 | 86 | 38 | 5 | 51 | 49 | 53 | 40 | 45 | 0.03 | - 1.1 | 2 | 4,672 | s. | 27 | w. | 31 | 15 | 16 | 0 | 3.5 | ..... |
| Southern Plateau. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| El Paso..... | 3,762 | 110 | 133 | 26.12 | 29.80 | + .02 | 71.8 | - 0.3 | 95 | 26 | 86 | 47 | 4 | 58 | 38 | 49 | 21 | 19 | T. | - 0.4 | 0 | 8,669 | w. | 37 | w. | 27 | 22 | 8 | 1 | 1.9 | ..... |
| Santa Fe..... | 7,013 | 57 | 62 | 23.25 | 29.80 | - .01 | 58.6 | + 1.9 | 79 | 24 | 71 | 36 | 4 | 46 | 33 | 42 | 26 | 32 | 0.17 | - 0.9 | 3 | 7,238 | sw. | 36 | sw. | 8 | 16 | 15 | 0 | 3.7 | T. |
| Flagstaff..... | 6,907 | 8 | 57 | ..... | ..... | ..... | 49.6 | - 1.1 | 78 | 22 | 67 | 18 | 3 | 32 | 47 | ..... | ..... | ..... | T. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Phoenix..... | 1,108 | 76 | 81 | 28.68 | 29.82 | + .04 | 73.8 | - 1.0 | 90 | 26 | 89 | 46 | 2 | 58 | 39 | 53 | 33 | 26 | 0.00 | 0.0 | 0 | 4,228 | e. | 26 | w. | 28 | 24 | 4 | 3 | 1.9 | ..... |
| Yuma..... | 141 | 9 | 58 | 29.68 | 29.83 | + .04 | 74.9 | - 1.9 | 100 | 11 | 93 | 47 | 2 | 57 | 43 | 57 | 43 | 40 | 0.00 | 0.0 | 0 | 4,372 | s. | 35 | w. | 28 | 30 | 1 | 0 | 0.2 | ..... |
| Independence..... | 3,910 | 11 | 42 | 25.95 | 29.90 | + .06 | 62.0 | - 2.5 | 89 | 25 | 78 | 29 | 2 | 46 | 37 | 48 | 35 | 44 | 0.32 | + 0.2 | 2 | 5,837 | n. | 30 | nw. | 18 | 18 | 9 | 4 | 3.5 | ..... |
| Middle Plateau. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reno..... | 4,532 | 74 | 81 | 25.44 | 29.91 | ..... | 56.5 | + 2.9 | 86 | 25 | 70 | 27 | 2 | 42 | 39 | 45 | 36 | 54 | 1.00 | + 0.2 | 7 | 5,836 | w. | 39 | s. | 26 | 14 | 12 | 5 | 4.1 | T. |
| Tonopah..... | 6,090 | 12 | 20 | 24.01 | 29.86 | ..... | 56.0 | ..... | 81 | 24 | 68 | 22 | 1 | 45 | 34 | 42 | 26 | 37 | 1.11 | - 0.3 | 6 | 6,563 | nw. | 39 | nw. | 12 | 16 | 14 | 1 | 3.9 | ..... |
| Winnemucca..... | 4,344 | 18 | 56 | 25.57 | 29.92 | + .01 | 57.0 | + 2.6 | 90 | 26 | 73 | 20 | 1 | 41 | 44 | 44 | 33 | 50 | 0.45 | - 0.6 | 5 | 4,491 | sw. | 37 | s. | 26 | 10 | 14 | 7 | 5.2 | 0.2 |
| Modena..... | 5,479 | 10 | 43 | 24.57 | 29.86 | + .04 | 54.4 | - 0.1 | 82 | 26 | 70 | 28 | 14 | 38 | 41 | 40 | 25 | 41 | 0.84 | 0.0 | 4 | 8,690 | sw. | 49 | sw. | 18 | 14 | 12 | 5 | 4.1 | 3.5 |
| Salt Lake City..... | 4,360 | 147 | 189 | 25.54 | 29.86 | ..... | 60.8 | + 2.5 | 89 | 26 | 71 | 34 | 3 | 50 | 30 | 47 | 34 | 42 | 0.57 | - 1.4 | 4 | 5,825 | nw. | 31 | nw. | 18 | 17 | 10 | 4 | 3.5 | T. |
| Durango..... | 6,546 | 18 | 56 | 23.63 | 29.85 | + .03 | 55.2 | + 0.2 | 83 | 23 | 72 | 28 | 4 | 38 | 43 | 39 | 23 | 36 | 0.74 | - 0.4 | 2 | 5,154 | nw. | 34 | s. | 1 | 11 | 18 | 2 | 4.1 | ..... |
| Grand Junction..... | 4,602 | 43 | 51 | 25.30 | 29.83 | ..... | 64.0 | + 2.4 | 90 | 26 | 78 | 34 | 4 | 50 | 37 | 47 | 30 | 34 | 0.12 | - 0.8 | 4 | 4,678 | se. | 30 | sw. | 1 | 15 | 10 | 6 | 4.2 | ..... |
| Northern Plateau. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baker..... | 3,471 | 48 | 53 | 26.44 | 30.02 | + .06 | 52.3 | + 1.6 | 84 | 26 | 65 | 27 | 1 | 40 | 38 | 44 | 37 | 63 | 1.10 | - 0.6 | 13 | 4,629 | nw. | 36 | sw. | 26 | 7 | 15 | 9 | 5.5 | ..... |
| Boise..... | 2,739 | 78 | 86 | 27.11 | 29.95 | + .01 | 59.0 | + 1.4 | 94 | 26 | 72 | 28 | 2 | 47 | 36 | 47 | 36 | 50 | 0.58 | - 0.7 | 7 | 4,546 | nw. | 34 | nw. | 9 | 7 | 14 | 10 | 5.8 | ..... |
| Lewiston..... | 757 | 40 | 48 | 29.19 | 29.99 | + .03 | 59.5 | - 1.3 | 91 | 31 | 72 | 35 | 2 | 47 | 41 | ..... | ..... | ..... | 1.60 | 0.0 | 10 | 2,308 | ne. | 36 | s. | 26 | 6 | 14 | 11 | 6.3 | ..... |
| Pocatello..... | 4,477 | 46 | 54 | 25.42 | 29.90 | + .01 | 56.6 | + 1.1 | 85 | 26 | 69 | 32 | 2 | 45 | 36 | 46 | 36 | 55 | 2.44 | + 0.2 | 9 | 5,913 | sw. | 30 | s. | 24 | 4 | 18 | 9 | 5.8 | T. |
| Spokane..... | 1,929 | 101 | 110 | 27.94 | 29.99 | + .03 | 55.6 | - 0.5 | 86 | 31 | 66 | 35 | 2 | 45 | 35 | 46 | 38 | 58 | 1.21 | - 0.4 | 11 | 4,713 | sw. | 33 | w. | 3 | 5 | 9 | 17 | 7.0 | ..... |
| Walla Walla..... | 1,000 | 107 | 115 | ..... | 29.99 | + .03 | 60.2 | - 0.5 | 88 | 31 | 71 | 38 | 1 | 50 | 32 | ..... | ..... | ..... | 1.24 | - 0.6 | 9 | 5,085 | s. | 32 | sw. | 15 | 13 | 10 | 8 | ..... | ..... |
| N. Pac. Coast Region. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Head..... | 211 | 11 | 56 | 29.87 | 30.10 | + .07 | 51.0 | + 0.2 | 60 | 6 | 54 | 42 | 1 | 48 | 11 | 49 | 47 | 88 | 2.85 | + 0.5 | 12 | 11,392 | nw. | 56 | se. | 9 | 5 | 12 | 14 | 6.5 | ..... |
| Port Crescent..... | 259 | 8 | 53 | 29.82 | 30.10 | + .08 | 48.2 | - 0.9 | 66 | 31 | 56 | 30 | 5 | 40 | 27 | ..... | ..... | ..... | 1.32 | - 1.0 | 9 | 3,799 | nw. | 15 | nw. | 28 | 4 | 13 | 14 | 6.5 | ..... |
| Seattle..... | 125 | 215 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE II.—Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during May, 1913, at all stations furnished with self-registering gages.

| Stations. | Date. | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive rate began. | Depths of precipitation (in inches) during periods of time indicated. | | | | | | | | | | | | | |
|-----------------------|-------|-----------------|-------------|--------------------------------|-----------------|-------------|-------------------------------------|-----------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| | | | | | | | | | | | | | | | | | | | | | |
| Abilene, Tex. | 3-4 | 4.30 p. m. | D. N. a. m. | 3.63 | 11.11 p. m. | 12.03 a. m. | 1.69 | .07 | .20 | .30 | .48 | .66 | .81 | .90 | .98 | 1.02 | 1.11 | 1.16 | | | |
| Albany, N. Y. | 23 | | | 1.16 | | | | | | | | | | | | | | | | | |
| Alpena, Mich. | 5 | | | 0.79 | | | | | | | | | | | | | | | | | |
| Amarillo, Tex. | 4 | | | 0.67 | | | | | | | | | | | | | | | | | |
| Annisston, Ala. | 16-17 | 4.48 p. m. | D. N. a. m. | 0.95 | 8.41 p. m. | 8.56 p. m. | .32 | .19 | .27 | .35 | | | | | | | | | | | |
| Asheville, N. C. | 16 | 1.05 p. m. | 2.30 p. m. | 0.77 | 1.12 p. m. | 1.40 p. m. | .01 | .17 | .44 | .55 | .62 | .68 | .72 | | | | | | | | |
| Atlanta, Ga. | 22 | 6.55 p. m. | 9.20 p. m. | 0.89 | 6.56 p. m. | 7.06 p. m. | .01 | .28 | .42 | | | | | | | | | | | | |
| Atlantic City, N. J. | 23-24 | 8.30 p. m. | 6.25 a. m. | 1.80 | 8.38 p. m. | 8.51 p. m. | .01 | .18 | .32 | .37 | | | | | | | | | | | |
| Augusta, Ga. | 11 | | | 0.25 | | | | | | | | | | | | | | | | | |
| Baker, Oreg. | 17 | | | 0.18 | | | | | | | | | | | | | | | | | |
| Baltimore, Md. | 23-24 | 2.40 p. m. | 5.30 a. m. | 1.71 | 4.19 p. m. | 4.26 p. m. | .11 | .25 | .28 | | | | | | | | | | | | |
| Bentonville, Ark. | 4 | | | 0.64 | | | | | | | | | | | | | | | | | |
| Birmingham, N. Y. | 28 | | | 0.87 | | | | | | | | | | | | | | | | | |
| Bismark, N. Dak. | 22-23 | 10.30 a. m. | 7.10 a. m. | 2.77 | 12.48 a. m. | 1.46 a. m. | 1.21 | .05 | .09 | .15 | .20 | .30 | .40 | .47 | .53 | .61 | .69 | .83 | | | |
| Block Island, R. I. | 31 | 12.04 p. m. | 12.20 p. m. | 0.32 | 12.07 p. m. | 12.16 p. m. | .01 | .18 | .31 | | | | | | | | | | | | |
| Boise, Idaho. | 24 | | | 0.51 | | | | | | | | | | | | | | | | | |
| Boston, Mass. | 27 | | | 0.17 | | | | | | | | | | | | | | | | | |
| Buffalo, N. Y. | 23 | | | 1.09 | | | | | | | | | | | | | | | | | |
| Burlington, Vt. | 21-22 | | | 0.87 | | | | | | | | | | | | | | | | | |
| Cairo, Ill. | 18 | | | 0.21 | | | | | | | | | | | | | | | | | |
| Canton, N. Y. | 16 | | | 0.63 | | | | | | | | | | | | | | | | | |
| Charles City, Iowa. | 22 | | | 0.50 | | | | | | | | | | | | | | | | | |
| Charleston, S. C. | 19-20 | | | 1.21 | | | | | | | | | | | | | | | | | |
| Charlotte, N. C. | 27 | | | 0.15 | | | | | | | | | | | | | | | | | |
| Chattanooga, Tenn. | 21 | 8.16 a. m. | 8.48 a. m. | 0.52 | 8.21 a. m. | 8.41 a. m. | .01 | .18 | .27 | .43 | .50 | | | | | | | | | | |
| Cheyenne, Wyo. | 16-17 | 5.02 p. m. | 12.40 a. m. | 1.05 | 5.39 p. m. | 5.54 p. m. | .03 | .18 | .40 | .45 | | | | | | | | | | | |
| Chicago, Ill. | 24 | 4.24 p. m. | 5.10 p. m. | 0.39 | 4.24 p. m. | 4.36 p. m. | .00 | .13 | .27 | .36 | | | | | | | | | | | |
| Cincinnati, Ohio. | 13 | | | 0.67 | | | | | | | | | | | | | | | | | |
| Cleveland, Ohio. | 14 | | | 0.60 | | | | | | | | | | | | | | | | | |
| Columbia, Mo. | 15 | | | 0.82 | | | | | | | | | | | | | | | | | |
| Columbia, S. C. | 12 | | | 0.40 | | | | | | | | | | | | | | | | | |
| Columbus, Ohio. | 21 | 3.10 p. m. | 4.35 p. m. | 0.63 | 3.14 p. m. | 3.38 p. m. | .02 | .13 | .14 | .22 | .35 | .52 | | | | | | | | | |
| Concord, N. H. | 13 | | | 0.36 | | | | | | | | | | | | | | | | | |
| Concordia, Kans. | 28-29 | | | 1.46 | | | | | | | | | | | | | | | | | |
| Do. | 3 | 12.16 a. m. | 5.05 a. m. | 1.96 | 12.18 a. m. | 12.46 a. m. | .01 | .33 | .50 | .73 | .94 | 1.05 | 1.11 | | | | | | | | |
| Do. | 11-12 | 10.13 p. m. | 12.30 a. m. | 0.51 | 11.35 p. m. | 11.53 p. m. | .05 | .16 | .27 | .36 | .45 | | | | | | | | | | |
| Corpus Christi, Tex. | 19 | 7.52 p. m. | 11.52 p. m. | 1.30 | 7.59 p. m. | 8.43 p. m. | .01 | .08 | .14 | .26 | .43 | .60 | .66 | .68 | .73 | .84 | | | | | |
| Davenport, Iowa. | 21 | 4.02 p. m. | 4.49 p. m. | 0.63 | 4.05 p. m. | 4.30 p. m. | .01 | .09 | .30 | .43 | .52 | .60 | | | | | | | | | |
| Dayton, Ohio. | 20 | 4.40 p. m. | 6.28 p. m. | 0.57 | 4.51 p. m. | 5.06 p. m. | .01 | .17 | .33 | .48 | | | | | | | | | | | |
| Del Rio, Tex. | 14 | 1.00 a. m. | 9.27 a. m. | 1.17 | 1.38 a. m. | 1.59 a. m. | .07 | .08 | .15 | .33 | .48 | .52 | | | | | | | | | |
| Denver, Colo. | 2 | | | 0.31 | | | | | | | | | | | | | | | | | |
| Des Moines, Iowa. | 13 | 2.47 p. m. | 6.30 p. m. | 1.56 | 4.47 p. m. | 5.25 p. m. | .40 | .09 | .19 | .35 | .50 | .57 | .64 | .74 | .78 | | | | | | |
| Detroit, Mich. | 31 | 7.52 a. m. | 9.30 a. m. | 0.52 | 7.56 a. m. | 8.13 a. m. | .01 | .25 | .34 | .45 | .49 | | | | | | | | | | |
| Devils Lake, N. Dak. | 21 | 12.29 p. m. | 1.44 p. m. | 0.88 | 12.51 p. m. | 1.26 p. m. | .03 | .13 | .29 | .32 | .39 | .50 | .64 | .83 | | | | | | | |
| Dodge City, Kans. | 3 | | | 0.26 | | | | | | | | | | | | | | | | | |
| Dubuque, Iowa. | 19-20 | 8.45 p. m. | 4.55 a. m. | 0.56 | 12.22 a. m. | 12.37 a. m. | .08 | .13 | .35 | .43 | | | | | | | | | | | |
| Duluth, Minn. | 28-29 | 11.40 p. m. | 5.10 a. m. | 1.09 | 2.13 a. m. | 2.34 a. m. | .04 | .25 | .43 | .57 | .64 | | | | | | | | | | |
| Durango, Colo. | 27 | | | 0.67 | | | | | | | | | | | | | | | | | |
| Eastport, Me. | 30 | | | 0.82 | | | | | | | | | | | | | | | | | |
| Elkins, W. Va. | 26 | | | 0.96 | | | | | | | | | | | | | | | | | |
| El Paso, Tex. | 7 | | | T. | | | | | | | | | | | | | | | | | |
| Erie, Pa. | 21 | 8.41 p. m. | D. N. p. m. | 0.37 | 8.46 p. m. | 8.59 p. m. | .01 | .18 | .30 | .36 | | | | | | | | | | | |
| Escanaba, Mich. | 4 | | | 0.90 | | | | | | | | | | | | | | | | | |
| Eureka, Cal. | 10 | | | 0.38 | | | | | | | | | | | | | | | | | |
| Evansville, Ind. | 20 | | | 0.14 | | | | | | | | | | | | | | | | | |
| Flagstaff, Ariz. | | | | | | | | | | | | | | | | | | | | | |
| Fort Smith, Ark. | 5 | | | 0.73 | | | | | | | | | | | | | | | | | |
| Fort Wayne, Ind. | 21 | | | 0.86 | | | | | | | | | | | | | | | | | |
| Fort Worth, Tex. | 3-4 | 6.15 p. m. | 10.24 a. m. | 1.51 | 5.31 a. m. | 5.46 a. m. | .86 | .21 | .35 | .41 | | | | | | | | | | | |
| Fresno, Cal. | 27-28 | | | 0.28 | | | | | | | | | | | | | | | | | |
| Galveston, Tex. | 16 | 2.30 a. m. | 5.35 a. m. | 1.13 | 3.15 a. m. | 4.05 a. m. | .08 | .05 | .14 | .20 | .25 | .35 | .46 | .63 | .73 | .77 | .84 | | | | |
| Grand Haven, Mich. | 21-22 | D. N. p. m. | 1.50 p. m. | 2.57 | 4.20 a. m. | 6.15 a. m. | .48 | .05 | .13 | .18 | .29 | .42 | .55 | .63 | .70 | .77 | .83 | | | | |
| Grand Junction, Colo. | 19 | | | 0.29 | | | | | | | | | | | | | | | | | |
| Grand Rapids, Mich. | 14 | | | 0.06 | | | | | | | | | | | | | | | | | |
| Green Bay, Wis. | 5 | | | 0.34 | | | | | | | | | | | | | | | | | |
| Hannibal, Mo. | 20 | | | 1.02 | | | | | | | | | | | | | | | | | |
| Harrisburg, Pa. | 19 | | | 0.49 | | | | | | | | | | | | | | | | | |
| Hartford, Conn. | 26 | | | 0.22 | | | | | | | | | | | | | | | | | |
| Hatteras, N. C. | 23 | | | 1.50 | | | | | | | | | | | | | | | | | |
| Havre, Mont. | 28 | | | 0.81 | | | | | | | | | | | | | | | | | |
| Helena, Mont. | 13 | | | 0.87 | | | | | | | | | | | | | | | | | |
| Houghton, Mich. | 27 | | | 0.18 | | | | | | | | | | | | | | | | | |
| Houston, Tex. | 17 | | | 0.49 | | | | | | | | | | | | | | | | | |
| Huron, S. Dak. | 5 | 5.45 p. m. | 8.25 p. m. | 0.75 | 5.54 p. m. | 6.10 p. m. | .01 | .17 | .39 | .56 | .62 | | | | | | | | | | |
| Independence, Cal. | 31 | 7.25 p. m. | 9.15 p. m. | 0.40 | 7.27 p. m. | 7.37 p. m. | .01 | .17 | .30 | | | | | | | | | | | | |
| Indianapolis, Ind. | 31 | | | 0.31 | | | | | | | | | | | | | | | | | |
| Iola, Kans. | 14 | | | 0.69 | | | | | | | | | | | | | | | | | |
| Jacksonville, Fla. | 20 | 6.30 p. m. | 8.15 p. m. | 0.64 | 7.20 p. m. | 7.35 p. m. | .03 | .12 | .34 | .60 | | | | | | | | | | | |
| Kalispell, Mont. | 24 | | | 0.53 | | | | | | | | | | | | | | | | | |
| Kansas City, Mo. | 26-27 | | | 0.28 | | | | | | | | | | | | | | | | | |
| Keokuk, Iowa. | 17 | 5.20 a. m. | 9.53 a. m. | 0.57 | 5.57 a. m. | 6.08 a. m. | .02 | .21 | .40 | .42 | | | | | | | | | | | |
| Key West, Fla. | 5 | 1.15 p. m. | 4.15 p. m. | 0.88 | 1.35 p. m. | 1.56 p. m. | .05 | .14 | .41 | .57 | .62 | | | | | | | | | | |
| Knoxville, Tenn. | 25 | 6.45 a. m. | 7.50 a. m. | 0.57 | 6.45 a. m. | 7.05 a. m. | .00 | .15 | .17 | .33 | .47 | | | | | | | | | | |
| La Crosse, Wis. | 26 | 10.03 a. m. | 11.30 a. m. | 1.06 | 10.33 a. m. | 11.09 a. m. | .05 | .10 | .25 | .42 | .53 | .68 | .78 | .98 | 1.01 | | | | | | |
| Lander, Wyo. | 27 | | | 0.76 | | | | | | | | | | | | | | | | | |
| Lansing, Mich. | 20 | 3.24 p. m. | 6.03 p. m. | 0.96 | 4.02 p. m. | 4.20 p. m. | .15 | .07 | .25 | .38 | .43 | | | | | | | | | | |
| La Salle, Ill. | 31 | | | 0.17 | | | | | | | | | | | | | | | | | |
| Lewiston, Idaho. | 30 | 2.12 p. m. | 2.58 p. m. | 0.46 | | | | | | | | | | | | | | | | | |
| Lexington, Ky. | 5 | | | 0.60 | 2.33 p. m. | 2.54 p. m. | .02 | .15 | .25 | .30 | .55 | .58 | | | | | | | | | |
| Lincoln, Nebr. | 9 | | | 0.65 | | | | | | | | | | | | | | | | | |
| Little Rock, Ark. | 20 | 3.28 p. m. | 5.00 p. m. | 0.53 | 3.43 p. m. | 3.55 p. m. | .01 | .30 | .36 | .40 | | | | | | | | | | | |
| Los Angeles, Cal. | 20 | 12.01 p. m. | 1.15 p. m. | 0.52 | 12.08 p. m. | 12.18 p. m. | .02 | .27 | .41 | | | | | | | | | | | | |
| Louisville, Ky. | 6 | 1.25 p. m. | 5.40 p. m. | 0.81 | 2.46 p. m. | 3.00 p. m. | .09 | .17 | .29 | .36 | | | | | | | | | | | |
| Ludington, Mich. | 28 | | | 0.05 | | | | | | | | | | | | | | | | | |
| Lynchburg, Va. | 21 | | | 0.35 | | | | | | | | | | | | | | | | | |
| Macon, Ga. | 14 | | | 0.46 | | | | | | | | | | | | | | | | | |
| Madison, Wis | | | | | | | | | | | | | | | | | | | | | |

TABLE II.—Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during May, 1913, at all stations furnished with self-registering gages—Continued.

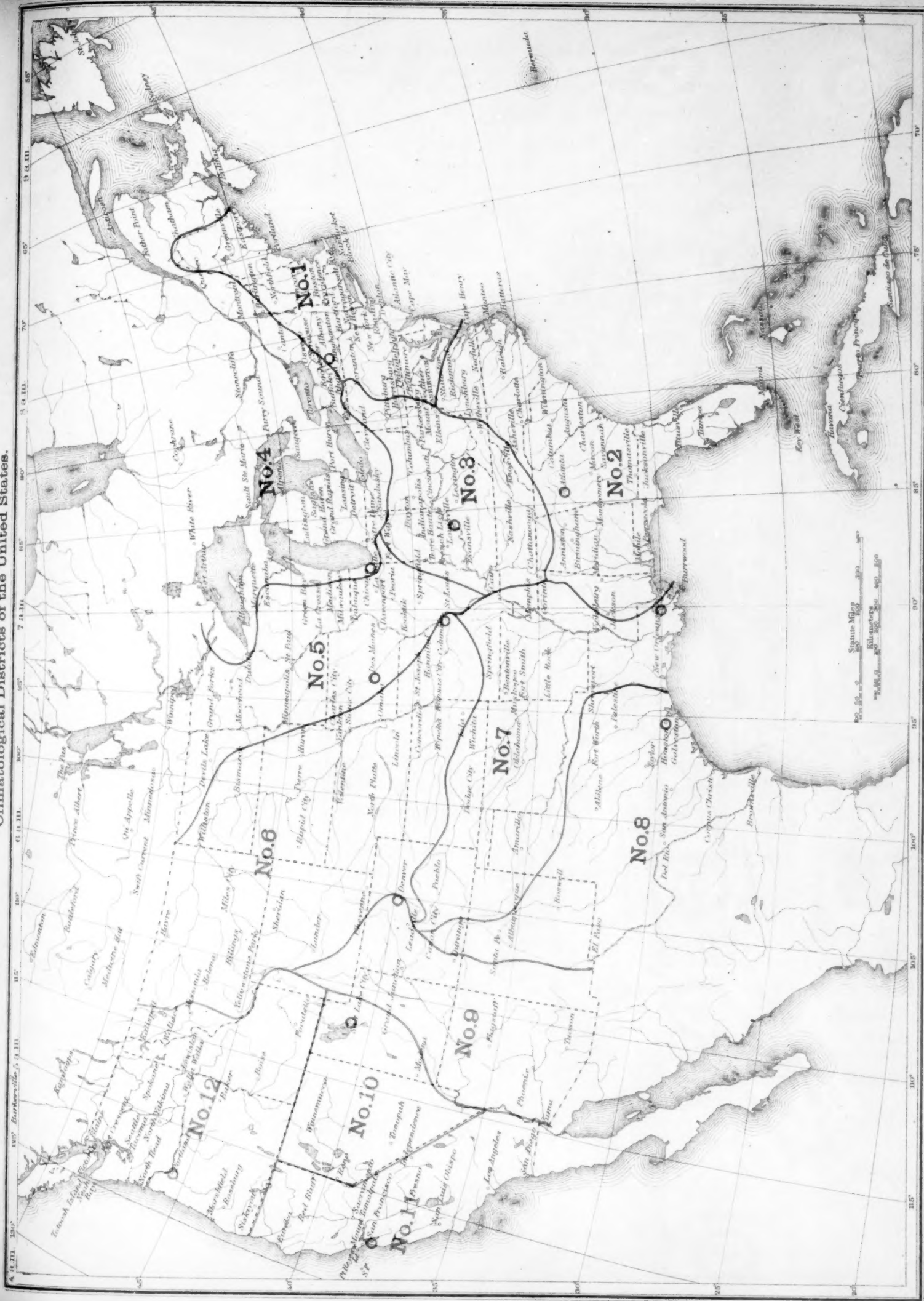
| Stations. | Date. | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive rate began. | Depths of precipitation (in inches) during periods of time indicated. | | | | | | | | | | | | | |
|--------------------------|-------|-----------------|-------------|--------------------------------|-----------------|-------------|-------------------------------------|-----------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Meridian, Miss. | 9 | 2.06 p. m. | 3.10 p. m. | 0.91 | 2.14 p. m. | 2.52 p. m. | .01 | .18 | .33 | .49 | .60 | .69 | .77 | .82 | .87 | | | | | | |
| | 15-16 | 6.35 p. m. | D. N. a. m. | 1.52 | 7.18 p. m. | 7.40 p. m. | .07 | .08 | .24 | .32 | .48 | .52 | | | | | | | | | |
| | 21-23 | 9.15 p. m. | D. N. a. m. | 2.69 | 8.24 p. m. | 9.20 p. m. | 1.31 | .05 | .17 | .27 | .43 | .55 | .62 | .68 | .74 | .79 | .89 | | | | |
| Miami, Fla. | 11 | 7.40 p. m. | 9.05 p. m. | 1.21 | 7.45 p. m. | 8.17 p. m. | .01 | .27 | .62 | .80 | .92 | 1.00 | 1.11 | | | | | | | | |
| | 24 | 11.41 a. m. | D. N. p. m. | 2.79 | 11.52 a. m. | 1.18 p. m. | .06 | .06 | .41 | .62 | .67 | .69 | .71 | .75 | .81 | .91 | .97 | 1.24 | 1.39 | | |
| | 25 | 5.25 p. m. | D. N. p. m. | 2.69 | 5.30 p. m. | 6.19 p. m. | .01 | .20 | .59 | 1.05 | 1.43 | 1.74 | 1.85 | 2.02 | 2.24 | 2.31 | 2.36 | | | | |
| Milwaukee, Wis. | 14 | | | 0.39 | | | | | | | | | | | | | | | | | |
| Minneapolis, Minn. | 14 | | | 0.86 | | | | | | | | | | | | | | | | | |
| Mobile, Ala. | 23 | D. N. a. m. | D. N. a. m. | 0.56 | 2.06 a. m. | 2.26 a. m. | .15 | .07 | .20 | .30 | .40 | | | | | | | | | | |
| Modena, Utah. | 28 | | | 0.21 | | | | | | | | | | | | | | | | | |
| Montgomery, Ala. | 23 | D. N. a. m. | 9.20 a. m. | 0.59 | 5.33 a. m. | 5.45 a. m. | .07 | .06 | .43 | .50 | | | | | | | | | | | |
| Moorhead, Minn. | 31 | | | 2.01 | | | | | | | | | | | | | | | | | |
| Mount Tamalpais, Cal. | 27 | | | 0.59 | | | | | | | | | | | | | | | | | |
| Mount Weather, Va. | 23 | | | 1.80 | | | | | | | | | | | | | | | | | |
| Nantucket, Mass. | 24 | | | 0.87 | | | | | | | | | | | | | | | | | |
| Nashville, Tenn. | 16 | | | 0.87 | | | | | | | | | | | | | | | | | |
| New Haven, Conn. | 23 | | | 0.57 | | | | | | | | | | | | | | | | | |
| New Orleans, La. | 7 | 9.20 a. m. | 12.55 p. m. | 1.06 | 9.33 a. m. | 9.58 a. m. | .02 | .17 | .38 | .43 | .53 | .63 | | | | | | | | | |
| | 16 | 11.37 a. m. | 2.35 p. m. | 0.89 | 11.38 a. m. | 11.58 a. m. | .01 | .33 | .67 | .68 | .77 | | | | | | | | | | |
| | 21-22 | D. N. p. m. | 1.55 p. m. | 3.78 | 12.20 a. m. | 1.01 a. m. | .04 | .06 | .09 | .23 | .39 | .52 | .87 | 1.15 | 1.36 | | | | | | |
| Do. | 21-22 | D. N. p. m. | 1.55 p. m. | 3.78 | 3.22 a. m. | 4.07 a. m. | 1.55 | .07 | .14 | .34 | .44 | .56 | .61 | .64 | .72 | .82 | | | | | |
| New York, N. Y. | 23 | | | 0.81 | | | | | | | | | | | | | | | | | |
| Norfolk, Va. | 20 | 5.55 p. m. | 7.20 p. m. | 0.50 | 6.02 p. m. | 6.11 p. m. | .01 | .19 | .37 | | | | | | | | | | | | |
| Northfield, Vt. | 23 | | | 0.73 | | | | | | | | | | | | | | | | | |
| North Head, Wash. | 11 | | | 0.49 | | | | | | | | | | | | | | | | | |
| North Platte, Nebr. | 31 | 10.03 p. m. | 11.08 p. m. | 1.52 | 10.11 p. m. | 10.46 p. m. | .01 | .14 | .29 | .53 | .79 | 1.17 | 1.40 | 1.50 | | | | | | | |
| Oklahoma, Okla. | 17 | 4.24 p. m. | 5.28 p. m. | 0.58 | 4.35 p. m. | 5.05 p. m. | .04 | .05 | .13 | .24 | .36 | .44 | .51 | | | | | | | | |
| Omaha, Nebr. | 2-3 | 6.05 p. m. | 7.30 a. m. | 1.11 | 8.02 p. m. | 8.37 p. m. | .12 | .14 | .34 | .35 | .35 | .42 | .59 | .69 | | | | | | | |
| | 19-20 | 7.00 p. m. | 1.50 a. m. | 1.14 | 7.09 p. m. | 7.37 p. m. | .01 | .07 | .15 | .37 | .47 | .54 | .60 | | | | | | | | |
| | 22 | 1.35 p. m. | 2.44 p. m. | 0.70 | 1.59 p. m. | 2.10 p. m. | .06 | .21 | .51 | .52 | | | | | | | | | | | |
| Oswego, N. Y. | 20 | 5.02 p. m. | 5.50 p. m. | 1.03 | 5.04 p. m. | 5.36 p. m. | .02 | .38 | .54 | .57 | .61 | .79 | .98 | 1.01 | | | | | | | |
| Palestine, Tex. | 22 | | | 0.70 | | | | | | | | | | | | | | | | | |
| Parkersburg, W. Va. | 26 | 12.57 p. m. | 7.40 p. m. | 0.81 | 2.27 p. m. | 2.37 p. m. | .07 | .31 | .50 | | | | | | | | | | | | |
| Pensacola, Fla. | 16 | 5.45 p. m. | 11.20 p. m. | 0.74 | 9.29 p. m. | 9.53 p. m. | .05 | .05 | .14 | .28 | .45 | .61 | | | | | | | | | |
| Peoria, Ill. | 13 | | | 0.42 | | | | | | | | | | | | | | | | | |
| Philadelphia, Pa. | 27-28 | 10.55 p. m. | 5.50 p. m. | 1.24 | 7.05 a. m. | 7.20 a. m. | .41 | .19 | .30 | .40 | | | | | | | | | | | |
| Phoenix, Ariz. | 1 | | | | | | | | | | | | | | | | | | | | |
| Pierre, S. Dak. | 18-19 | 11.30 p. m. | 3.05 a. m. | 1.22 | 12.16 a. m. | 12.57 a. m. | .26 | .12 | .21 | .28 | .40 | .47 | .49 | .55 | .64 | .68 | | | | | |
| Pittsburgh, Pa. | 30 | | | 0.49 | | | | | | | | | | | | | | | | | |
| Pocatello, Idaho. | 18 | | | 1.39 | | | | | | | | | | | | | | | | | |
| Point Reyes Light, Cal. | 27 | | | 0.52 | | | | | | | | | | | | | | | | | |
| Port Huron, Mich. | 15 | | | 1.22 | | | | | | | | | | | | | | | | | |
| Portland, Me. | 29 | | | 0.60 | | | | | | | | | | | | | | | | | |
| Portland, Oreg. | 9 | | | 0.25 | | | | | | | | | | | | | | | | | |
| Providence, R. I. | 28 | | | 0.52 | | | | | | | | | | | | | | | | | |
| Pueblo, Colo. | 9 | | | 1.23 | | | | | | | | | | | | | | | | | |
| Raleigh, N. C. | 27 | 9.50 a. m. | 2.55 p. m. | 0.77 | 1.18 p. m. | 1.35 p. m. | .14 | .21 | .37 | .49 | .54 | | | | | | | | | | |
| Rapid City, S. Dak. | 29 | | | 0.60 | | | | | | | | | | | | | | | | | |
| Reading, Pa. | 23 | | | 1.55 | | | | | | | | | | | | | | | | | |
| Red Bluff, Cal. | 18 | | | 0.34 | | | | | | | | | | | | | | | | | |
| Reno, Nev. | 31 | | | 0.19 | | | | | | | | | | | | | | | | | |
| Richmond, Va. | 30 | 3.57 p. m. | 5.25 p. m. | 0.74 | 4.21 p. m. | 4.48 p. m. | .01 | .09 | .42 | .53 | .62 | .70 | | | | | | | | | |
| Rochester, N. Y. | 28 | | | 0.64 | | | | | | | | | | | | | | | | | |
| Roseburg, Oreg. | 11-12 | | | 0.50 | | | | | | | | | | | | | | | | | |
| Roswell, N. Mex. | 25 | | | 0.02 | | | | | | | | | | | | | | | | | |
| Sacramento, Cal. | 27 | | | 0.31 | | | | | | | | | | | | | | | | | |
| Saginaw, Mich. | 15 | | | 0.59 | | | | | | | | | | | | | | | | | |
| St. Joseph, Mo. | 20 | 8.06 p. m. | 8.45 p. m. | 0.53 | 8.18 p. m. | 8.37 p. m. | .03 | .11 | .27 | .40 | .47 | | | | | | | | | | |
| St. Louis, Mo. | 26 | 4.30 a. m. | 7.30 a. m. | 0.63 | 5.33 a. m. | 5.43 a. m. | .01 | .28 | .48 | | | | | | | | | | | | |
| St. Paul, Minn. | 14 | | | 0.89 | | | | | | | | | | | | | | | | | |
| Salt Lake City, Utah. | 18 | | | 0.21 | | | | | | | | | | | | | | | | | |
| San Antonio, Tex. | 15 | 8.40 p. m. | 9.50 p. m. | 1.90 | 9.13 p. m. | 9.42 p. m. | .05 | .12 | .38 | .80 | 1.35 | 1.67 | 1.82 | | | | | | | | |
| San Diego, Cal. | 28 | | | 0.07 | | | | | | | | | | | | | | | | | |
| Sand Key, Fla. | 26 | 11.40 a. m. | 2.30 p. m. | 1.09 | 12.07 p. m. | 12.34 p. m. | .05 | .22 | .48 | .72 | .75 | .82 | .86 | | | | | | | | |
| Sandusky, Ohio. | 22 | | | 0.58 | | | | | | | | | | | | | | | | | |
| San Francisco, Cal. | 17 | | | 0.13 | | | | | | | | | | | | | | | | | |
| San Jose, Cal. | 27 | | | 0.66 | | | | | | | | | | | | | | | | | |
| San Luis Obispo, Cal. | 27 | | | 0.20 | | | | | | | | | | | | | | | | | |
| Santa Fe, N. Mex. | 31 | | | 0.12 | | | | | | | | | | | | | | | | | |
| Sault Ste. Marie, Mich. | 4 | | | 0.49 | | | | | | | | | | | | | | | | | |
| Savannah, Ga. | 15 | 1.54 p. m. | 2.36 p. m. | 0.56 | 1.57 p. m. | 2.15 p. m. | .01 | .20 | .34 | .46 | .52 | | | | | | | | | | |
| Scranton, Pa. | 28 | | | 0.59 | | | | | | | | | | | | | | | | | |
| Seattle, Wash. | 9 | | | 0.35 | | | | | | | | | | | | | | | | | |
| Sheridan, Wyo. | 16 | | | 0.20 | | | | | | | | | | | | | | | | | |
| Shreveport, La. | 15-16 | 8.55 p. m. | D. N. a. m. | 1.02 | 9.59 p. m. | 10.18 p. m. | .12 | .18 | .41 | .53 | .62 | | | | | | | | | | |
| Sioux City, Iowa. | 2 | 2.25 p. m. | 7.55 p. m. | 1.01 | 4.50 p. m. | 4.55 p. m. | .30 | .36 | | | | | | | | | | | | | |
| Southeast Farallon, Cal. | 27 | | | 0.79 | | | | | | | | | | | | | | | | | |

TABLE III.—Data furnished by the Canadian Meteorological Service, May, 1913.

| Stations. | Pressure (in inches). | | | Temperature. | | | | | | Precipitation. | | |
|-------------------------|-----------------------------------|-------------------------------------|------------------------|---------------------------|------------------------|---------------|---------------|----------|---------|----------------|------------------------|-----------------|
| | Station, reduced to 24-hour mean. | Sea level, reduced to 24-hour mean. | Departure from normal. | Mean max. + mean min. +2. | Departure from normal. | Mean maximum. | Mean minimum. | Highest. | Lowest. | Total. | Departure from normal. | Total snowfall. |
| St. Johns, N. F. | 29.26 | 29.69 | — .29 | 43.2 | +0.3 | 51.4 | 34.9 | 73 | 28 | 4.67 | +1.01 | T. |
| Sydney, C. B. I. | 29.89 | 29.93 | — .04 | 44.5 | —0.7 | 52.6 | 36.4 | 70 | 27 | 2.16 | —1.61 | ..... |
| Halifax, N. S. | 29.83 | 29.94 | — .04 | 47.0 | —1.4 | 56.0 | 38.1 | 66 | 29 | 5.20 | +0.94 | ..... |
| Yarmouth, N. S. | 29.88 | 29.95 | — .03 | 46.2 | —1.4 | 52.8 | 39.5 | 64 | 30 | 7.22 | +3.42 | ..... |
| Charlottetown, P. E. I. | 29.89 | 29.93 | — .03 | 45.4 | —1.5 | 52.7 | 38.1 | 66 | 30 | 1.87 | —1.04 | 1.4 |
| Chatham, N. B. | 29.93 | 29.95 | .00 | 47.6 | —0.9 | 57.2 | 37.9 | 88 | 28 | 2.72 | —0.49 | ..... |
| Father Point, Que. | 29.92 | 29.94 | + .01 | 43.4 | —0.6 | 50.0 | 36.8 | 68 | 24 | 2.85 | +0.27 | 1.3 |
| Quebec, Que. | 29.63 | 29.95 | + .01 | 50.8 | +0.9 | 60.7 | 40.9 | 84 | 28 | 2.69 | —0.39 | ..... |
| Montreal, Que. | 29.76 | 29.97 | + .03 | 53.9 | —0.8 | 62.9 | 44.9 | 85 | 32 | 3.84 | +0.89 | ..... |
| Stonecliffe, Ont. | 29.37 | 29.98 | + .05 | 50.4 | —1.9 | 63.2 | 37.5 | 87 | 23 | 2.04 | —0.47 | ..... |
| Ottawa, Ont. | 29.73 | 30.05 | + .11 | 53.2 | —1.7 | 63.2 | 43.2 | 86 | 30 | 2.87 | +0.28 | ..... |
| Kingston, Ont. | 29.71 | 30.02 | + .06 | 52.1 | —0.8 | 60.7 | 43.5 | 74 | 26 | 4.16 | +1.48 | ..... |
| Toronto, Ont. | 29.63 | 30.01 | + .03 | 54.3 | +1.1 | 64.2 | 44.3 | 87 | 30 | 1.04 | —2.00 | ..... |
| White River, Ont. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Port Stanley, Ont. | 29.40 | 30.04 | + .07 | 52.4 | —0.7 | 61.9 | 43.0 | 74 | 26 | 2.29 | —0.89 | ..... |
| Southampton, Ont. | 29.34 | ..... | ..... | 49.2 | —1.5 | 58.9 | 39.6 | 82 | 25 | 0.82 | —1.62 | ..... |
| Parry Sound, Ont. | 29.34 | 30.04 | + .09 | 49.6 | —1.5 | 60.2 | 38.9 | 83 | 24 | 1.57 | —1.36 | ..... |
| Port Arthur, Ont. | 29.32 | 30.03 | + .07 | 44.6 | —1.3 | 54.7 | 34.5 | 80 | 24 | 3.43 | +1.28 | 2.7 |
| Winnipeg, Man. | 29.18 | 30.02 | + .06 | 50.0 | —1.6 | 61.7 | 38.2 | 88 | 22 | 0.53 | —1.75 | ..... |
| Minnedosa, Man. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Qu'Appelle, Sask. | 27.71 | 29.95 | + .01 | 48.2 | —1.6 | 59.8 | 36.6 | 87 | 21 | 2.26 | +0.61 | 4.5 |
| Medicine Hat, Alberta | 27.64 | 29.91 | + .02 | 55.1 | +1.0 | 69.1 | 41.2 | 88 | 23 | 1.06 | —0.25 | ..... |
| Swift Current, Sask. | 27.37 | 29.94 | + .02 | 50.4 | —0.3 | 61.9 | 39.0 | 86 | 26 | 1.41 | —0.35 | T. |
| Calgary, Alberta | 26.40 | 29.92 | + .04 | 48.9 | —0.1 | 61.7 | 36.1 | 80 | 19 | 2.27 | +0.50 | T. |
| Banff, Alberta | 25.37 | 29.96 | + .08 | 43.5 | —3.5 | 54.4 | 32.6 | 70 | 17 | 1.34 | —0.70 | 8.0 |
| Edmonton, Alberta | 27.66 | 29.95 | + .07 | 49.4 | —1.4 | 62.0 | 36.9 | 78 | 23 | 0.79 | —0.76 | 0.4 |
| Prince Albert, Sask. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Battleford, Sask. | 28.24 | 29.97 | + .05 | 49.8 | —1.2 | 62.8 | 36.7 | 80 | 25 | 0.46 | —1.16 | ..... |
| Kamloops, B. C. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Victoria, B. C. | 29.96 | 30.06 | + .06 | 53.9 | +1.4 | 62.4 | 45.4 | 75 | 37 | 0.80 | —0.68 | ..... |
| Barkerville, B. C. | 25.62 | 29.92 | + .08 | 41.8 | —3.7 | 52.4 | 31.2 | 62 | 15 | 3.13 | +0.61 | 10.2 |
| Hamilton, Bermuda | 29.95 | 30.11 | + .05 | 66.4 | —3.0 | 72.6 | 60.3 | 77 | 49 | 1.32 | —3.34 | |

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Olimatological Districts of the United States.



106 Climatological Sections of the United States.

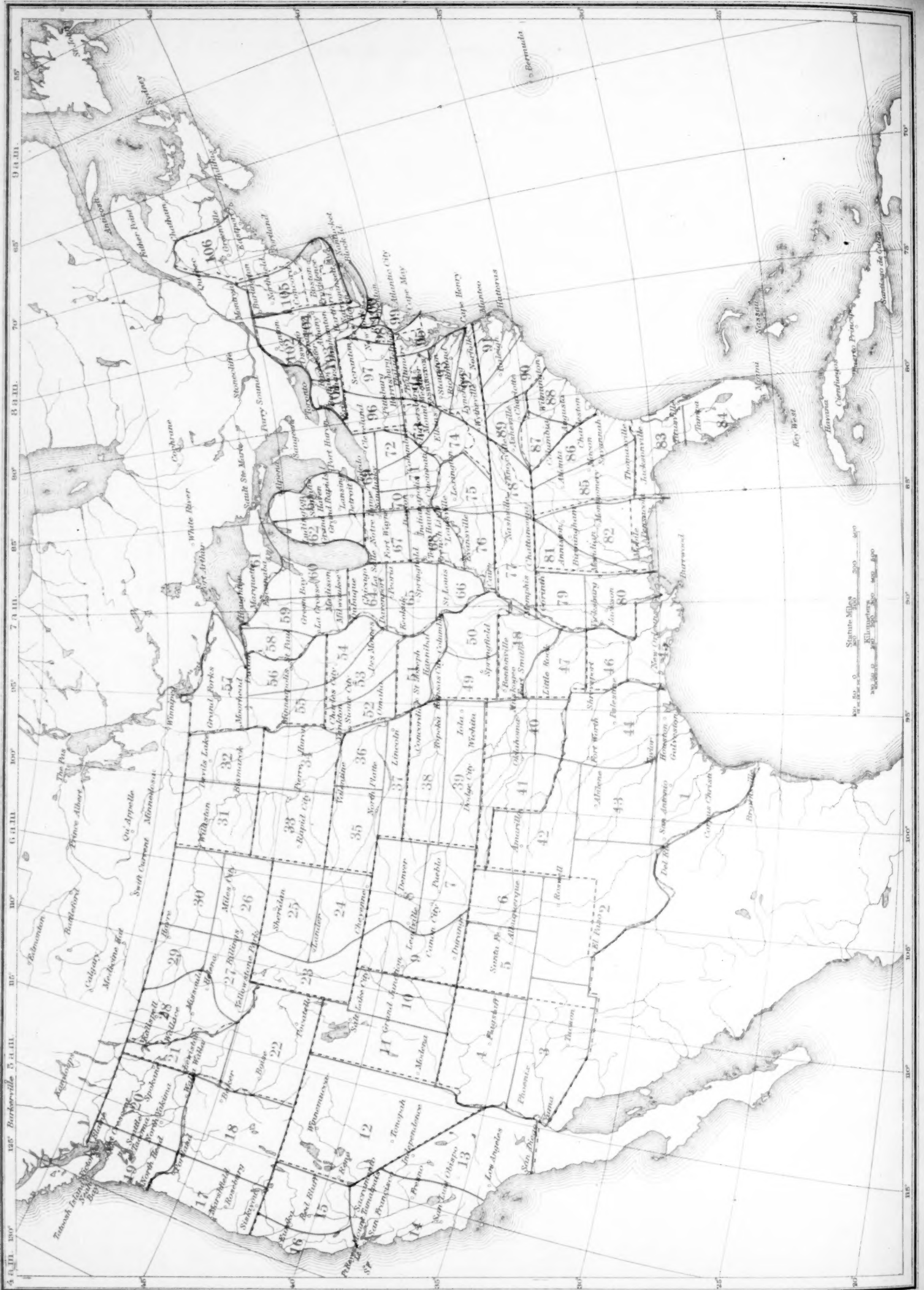
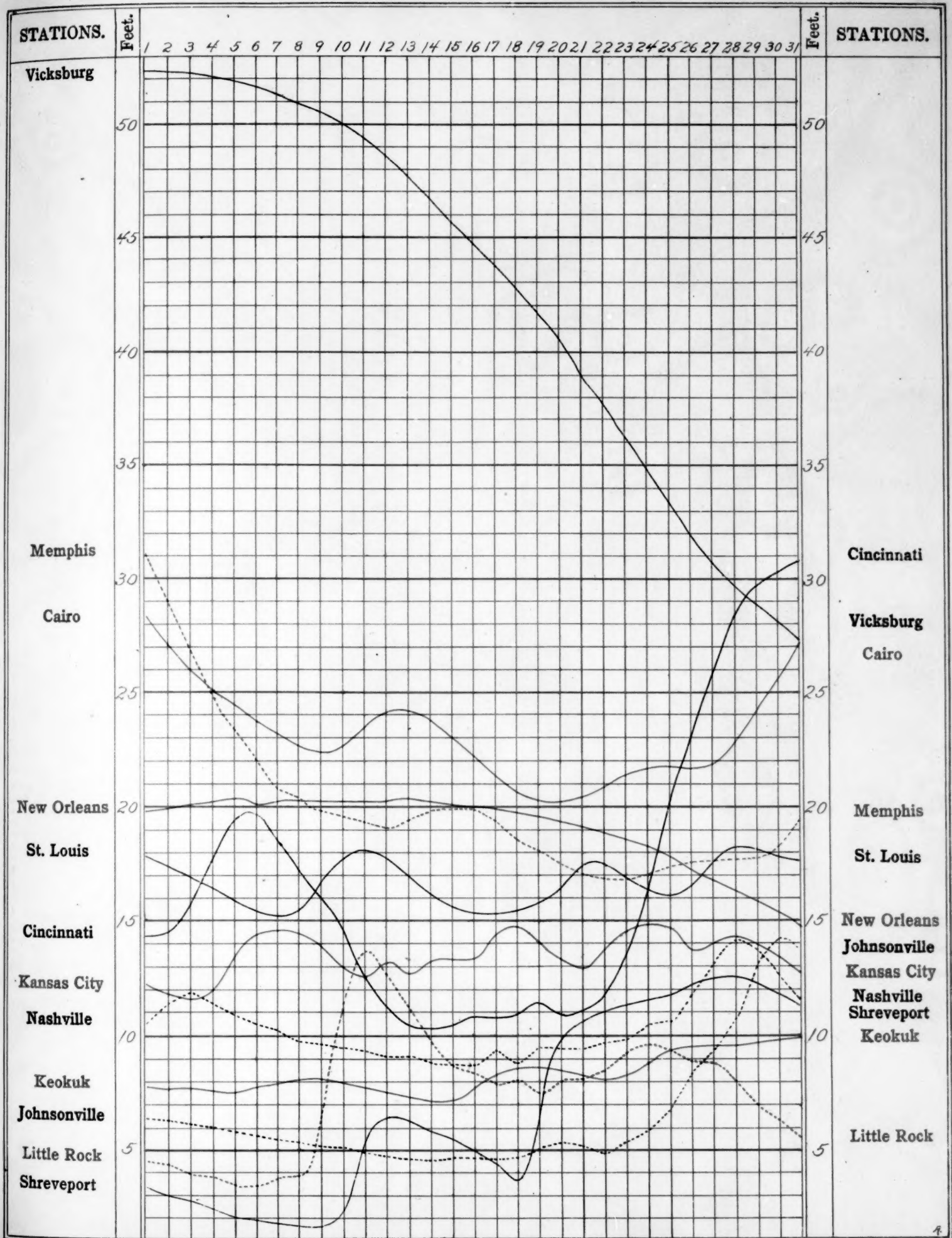


Chart I. Hydrographs of Several Principal Rivers, May, 1913.



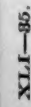


Chart III. Tracks of Centers of Low Areas, May, 1913.

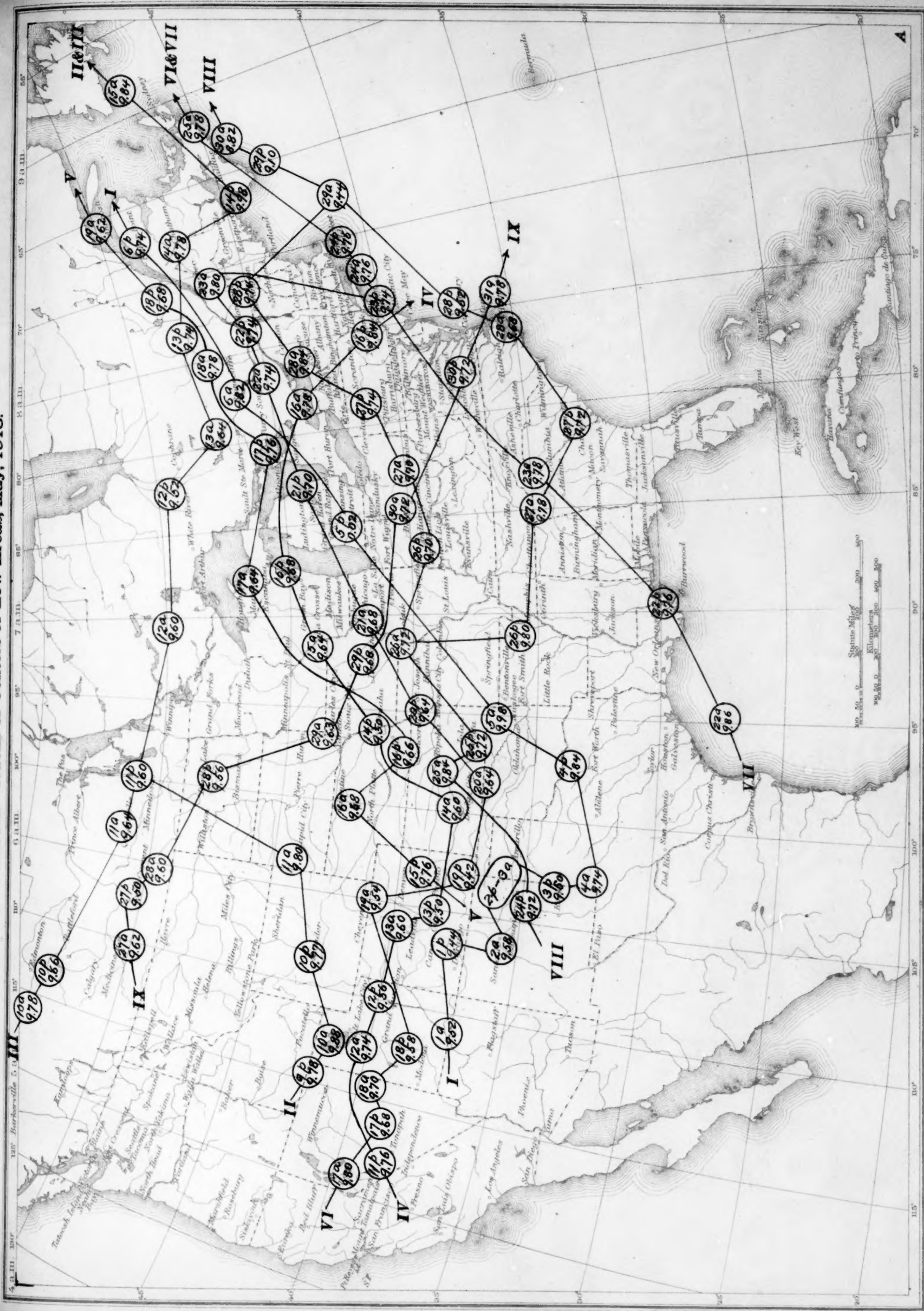


Chart IV. Departure of the Mean Temperature from the Normal, May, 1913.

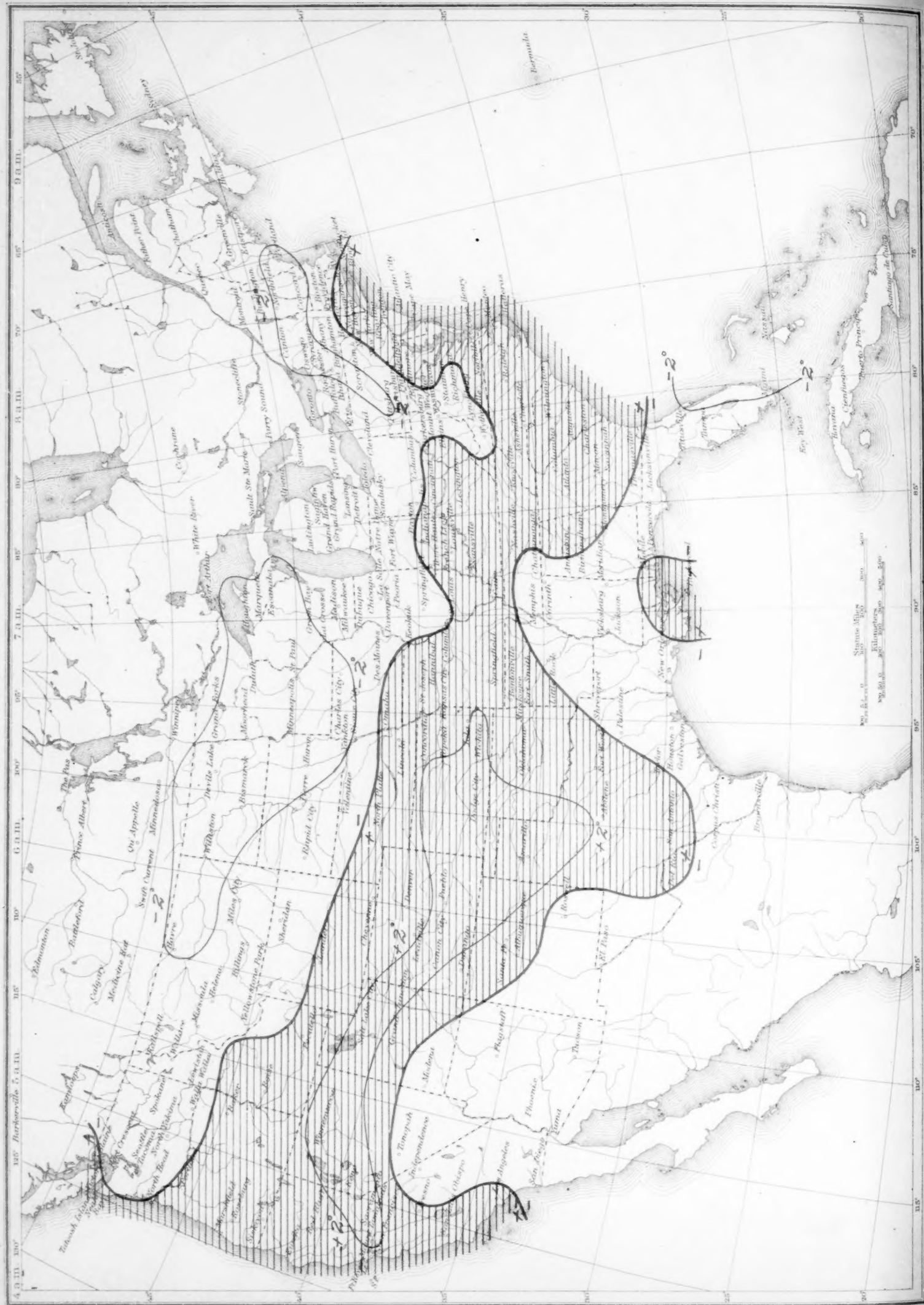


Chart V. Total Precipitation, May, 1913.

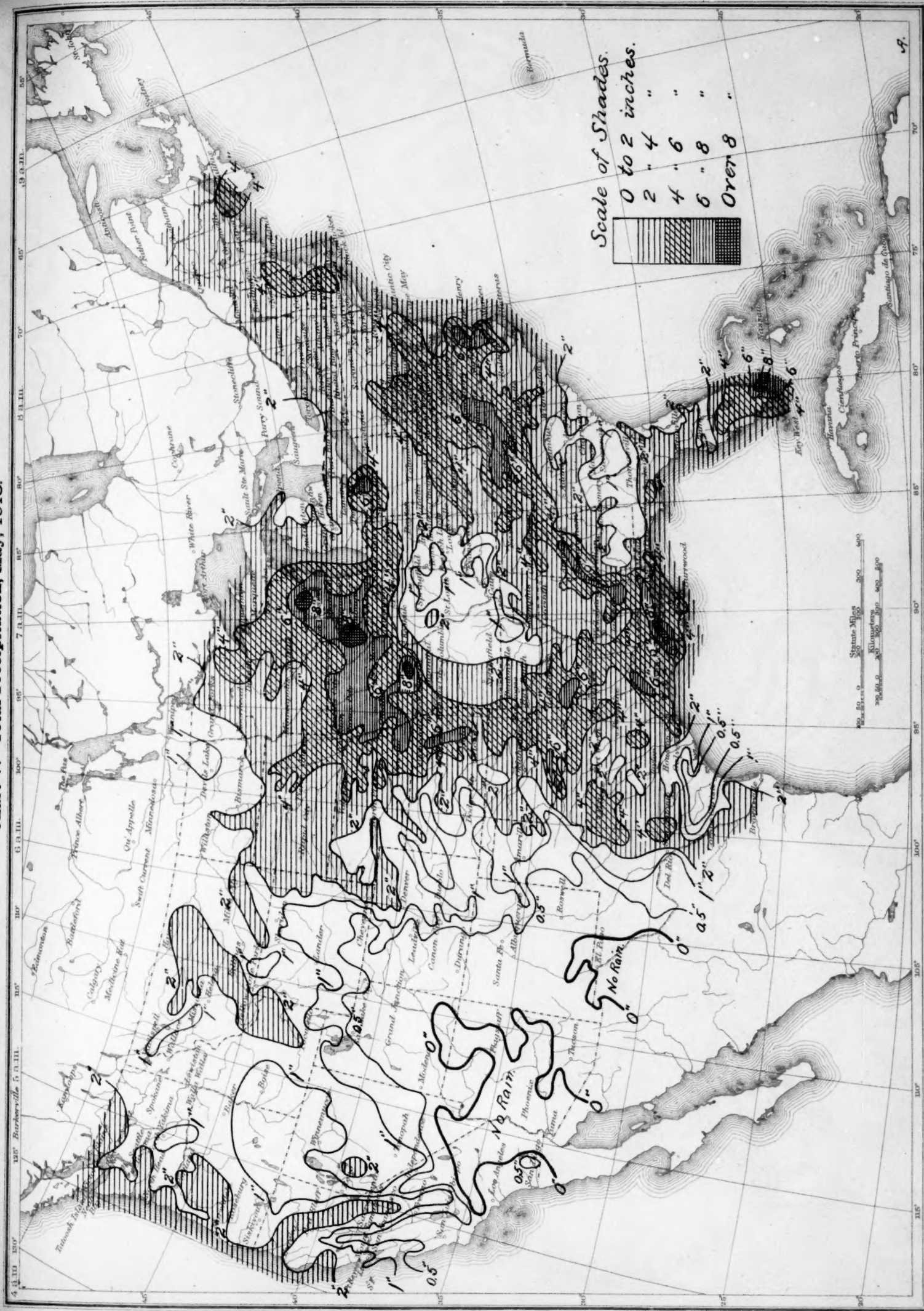


Chart VI. Percentage of Clear Sky between Sunrise and Sunset, May, 1913.

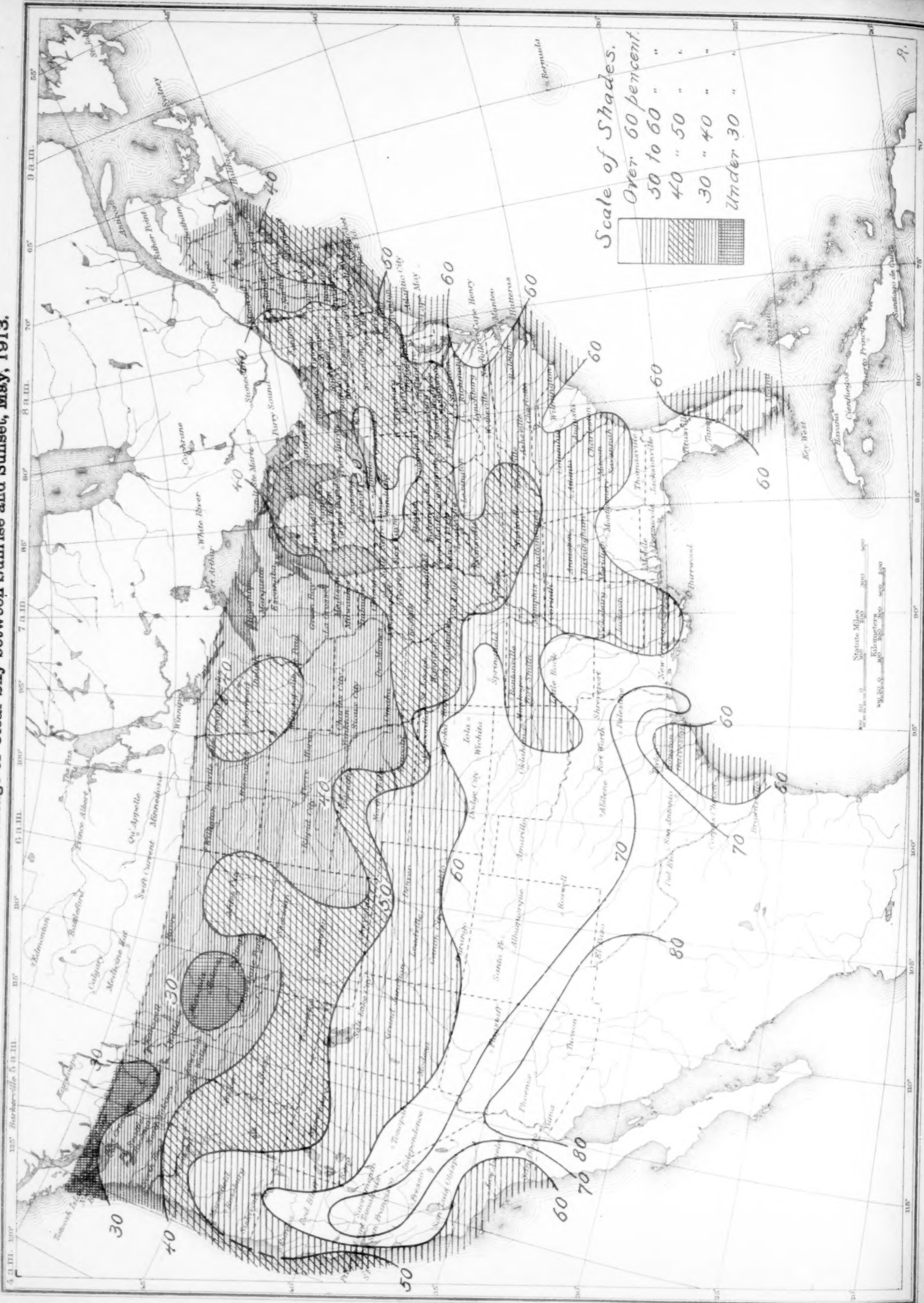


Chart VII. Isobars and Isotherms at Sea Level; Prevailing Winds, May, 1913.

Chart VII. Isobars and Isotherms at Sea Level; Prevailing Winds, May, 1913.

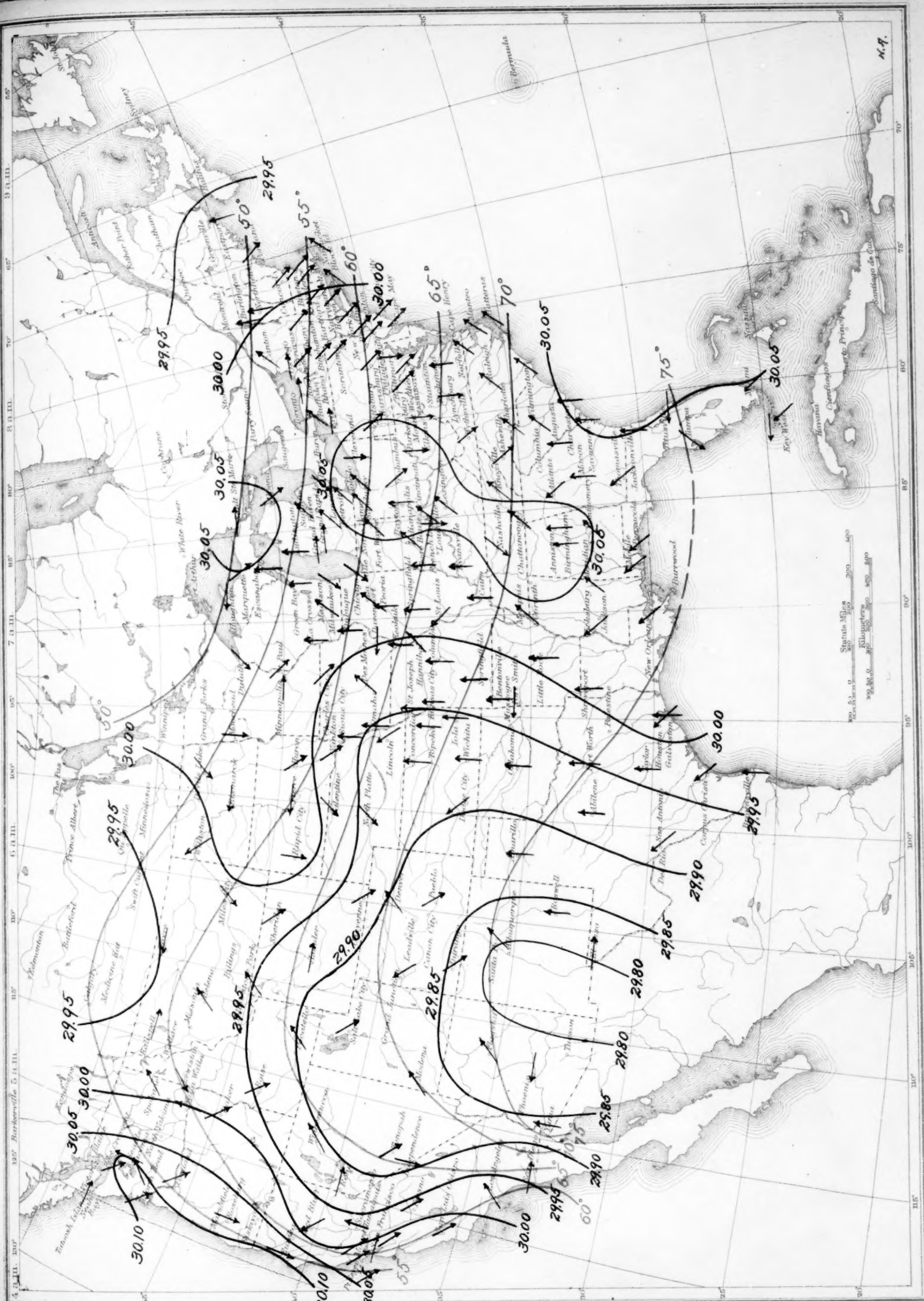


Chart VIII. Total Snowfall for May, 1913.

